

Reportable Diseases

in Kansas

1996 Summary



Kansas Department of Health and Environment • Office of Epidemiologic Services

REPORTABLE DISEASES

IN

KANSAS

1996 SUMMARY



Jamie S. Kim, MPH
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Kansas Department of Health and Environment
Division of Health
Office of Epidemiologic Services
Landon Building, Suite 1051
900 S.W. Jackson Street
Topeka, Kansas 66612-1290
Telephone (785) 296-2951
Fax (785) 291-3775

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INTRODUCTION

Purpose and format of this report

This is the fifth annual summary of reportable diseases by the Kansas Department of Health and Environment. The purpose of the report is to provide useful information on notifiable diseases in Kansas for health care providers, public health workers and policy makers.

The report is divided into two sections. Section I presents summaries of 38 diseases or conditions of public health importance. Data are presented mainly by graphs and statistics. Rates have been calculated to adjust for population size allowing for more meaningful interpretation of the data. Rates by demographic characteristics and proportional changes from last year are reported when there were more than 50 cases of a disease reported in the state. If the total number of cases in the state was < 4, then no demographic information is presented (to ensure confidentiality of the patients). Whenever possible, information on disease trends for the United States has been included for comparison with Kansas trends.

Disease incidence for urban and rural areas has also been included for most diseases. Urban counties were defined as counties with a population density of 150 or more persons per square mile, and represent the four largest metropolitan areas in the state [Kansas City (Johnson and Wyandotte Counties), Wichita (Sedgwick County), Topeka (Shawnee County), and Lawrence (Douglas County)], which account for 48% of the population. The remaining 100 counties in the state are classified as rural for the purposes of this report.

Section II provides the list of reportable diseases during 1996, a summary of cases of reportable diseases by year for 1983-1996, and a summary of cases by county for 1996. Also included are a list of county abbreviations for use with Table 2, a map of Kansas with county names, and a list of publications on disease control from KDHE in 1996.

Disease reporting in Kansas

Selected diseases are reportable by law in Kansas by health care providers, laboratories and hospitals (Section II, Table 1). Reports are usually first sent to the local health department, which is responsible for providing basic public health interventions such as providing immune globulin to a household contact of a person with hepatitis A or treating sexual contacts of a person with gonorrhea.

Reports are then sent to the Office of Epidemiologic Services or the Bureau of Disease Prevention and Health Promotion in the Kansas Department of Health and Environment for review. After reports have been entered into the National Electronic Telecommunications System for Surveillance (NETSS), weekly summaries are forwarded to the Centers for Disease Control and Prevention (CDC) for inclusion in the Morbidity and Mortality Weekly Report. The final step in the surveillance system occurs when CDC sends selected data to the World Health Organization.

Local, state, national and international health agencies that collect surveillance data are responsible for analyzing and interpreting the data. The information is used for planning, implementing and evaluating public health programs. Surveillance data can be used to determine the need for public health action and to assess the effectiveness of programs.

Important disease trends in 1996

The number of vaccine-preventable diseases remained low with no cases of polio, rubella or diphtheria reported. Measles, mumps, and *Haemophilus influenzae* meningitis remained at low levels. Even with the decline in pertussis and hepatitis B, these diseases are still problematic.

Cases, and rates for the three major sexually transmitted diseases (chlamydia, gonorrhea and syphilis) continued to decline in 1996. Chlamydia continues to be the most commonly reported STD in

the state, with 91 of 105 counties reporting at least one case during the year. Despite an increased number of screening sites and persons screened, chlamydia cases declined by 16% and gonorrhea by 27% compared to 1995. Both infections are the leading causes of preventable infertility, pelvic inflammatory disease and ectopic pregnancy. The number of primary and secondary cases of syphilis declined by 40% compared to last year, marking the fourth consecutive yearly decrease. Of notice is a change in the age distribution of syphilis cases: most cases occurred in patients 15-24, who in 1995 represented only the third most common age group diagnosed with syphilis. No cases of congenital syphilis were reported for the year.

The number of reported Kansas AIDS cases in 1996 (135) showed a decrease over those reported in 1995 (286). This decrease may have been due to delayed progression from HIV to AIDS as a result of improved drug therapy, an increased delay of reporting, and/or a decrease in the number of HIV cases. The decrease mirrors similar trends at the national level.

The number of reported tuberculosis (TB) cases in 1996 (73) showed an 18% decrease from 1995 (89). The case rate for TB decreased from 3.5 per 100,000 to 2.8 per 100,000, well below the national average. Forty percent of cases occurred among foreign-born individuals. This was the first decrease in Kansas TB case rates since 1992. While the dropping case rate for TB in Kansas is encouraging, increases in drug resistant TB remain a cause for concern. Resistance to at least one drug rose from 10% of all cases in 1995 to 18% in 1996. In addition, 2 cases of multi-drug resistance (i.e., resistance to INH & rifampin combined) were reported in 1996, while no cases were reported in 1995.

The number of Hepatitis A cases increased by 143% compared to 1995. Different outbreaks in several parts of the State (mostly in the East) accounted for most of the increase.

Enteric infections (salmonellosis, shigellosis and giardiasis) continued to be reported in large

numbers. Reports of *E. coli* O157:H7, which became reportable in January 1996, continued to increase. Two outbreaks of foodborne illness were reported and formally investigated by Office of Epidemiologic Services during the year. One outbreak was attributed to Norwalk-like virus. In the other outbreak, no causative agent was identified.

Interpreting the data

When interpreting the data in this report it is important to remember that disease reporting is incomplete and often varies by disease. For example, reporting of AIDS cases is very good whereas reporting of chickenpox is poor. Absolute numbers are less meaningful than trends when interpreting the data. However, trends can be influenced by changes in case definitions or in reporting patterns. It is also important to note that since 59% (62/105) of counties in Kansas have populations less than 10,000, it is possible to have high rates of disease in these counties even if only one case is reported.

Acknowledgments

We would like to thank all the physicians, nurses, hospitals, laboratorians, county health department staff and others who participated in reportable disease surveillance during 1996. We would also like to acknowledge the Bureau of Disease Prevention and Health Promotion staff for their support.

SECTION I

DISEASE

SUMMARIES

AIDS

Number of cases - 135

% change from 1995 - minus 53%

Kansas rate - 5.3 per 100,000

U.S. rate (1996) - 25.6 per 100,000

Age of case-patients

Median - 36 years

Range - 23 to 60 years

Rate by sex

Female - 1.0 per 100,000

Male - 10.1 per 100,000

Rate by race

White - 4.4 per 100,000

Black - 18.2 per 100,000

Rate by ethnicity

Hispanic - 11.7 per 100,000

Non Hispanic - 5.2 per 100,000

Rate by geographic area

Urban - 7.9 per 100,000

Rural - 2.9 per 100,000

Cases by transmission categories

Men who have sex

with men (MSM) 82 (61%)

Injection drug

use (IDU) 11 (8%)

MSM & IDU 7 (5%)

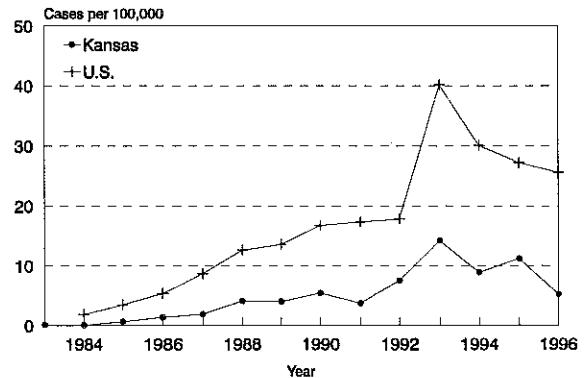
Blood products 3 (2%)

Heterosexual 8 (6%)

Risk not reported/

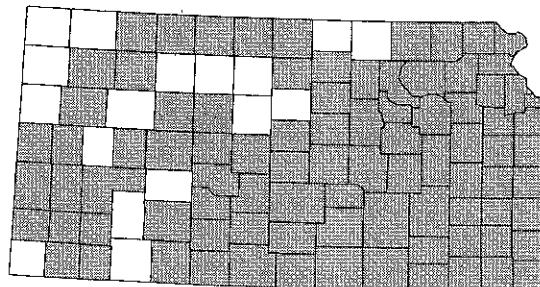
Other 24 (18%)

AIDS rate by year of report
Kansas, 1983-1996



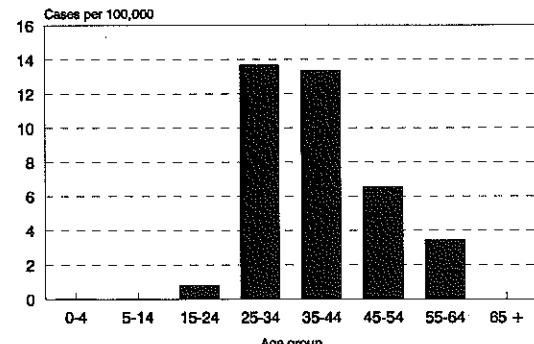
Comment: The introduction of a new case definition accounts for the large number of cases in 1993.

Counties affected by HIV/AIDS
Kansas, diagnosed 1981-1996



Shaded counties have reported or
treated at least one person with HIV or AIDS

AIDS rate by age group
Kansas, 1996



Amebiasis

Number of cases - 8

Cases in 1995 - 2

Kansas rate - 0.3 per 100,000

U.S. rate (1994) - 1.2 per 100,000

Age of case-patients

Median - 37 years

Range - 3 to 45 years

Cases by sex

Female - 2

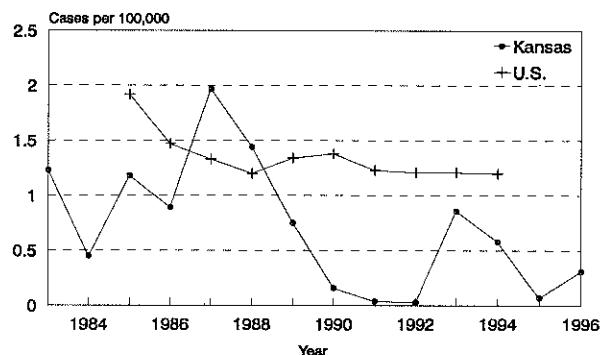
Male - 6

Cases by geographic area

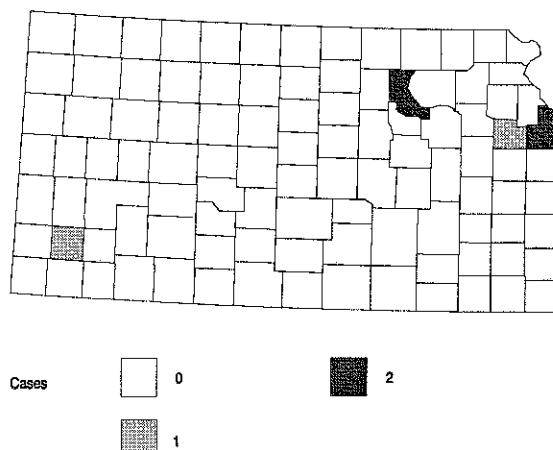
Urban - 5

Rural - 3

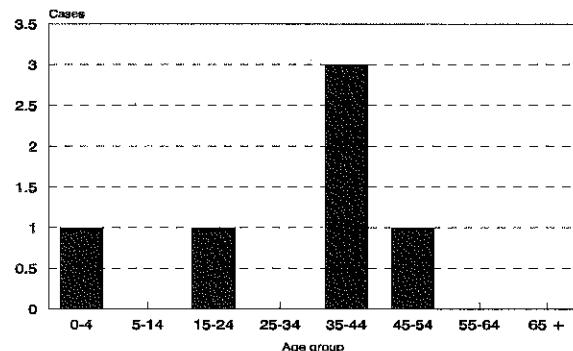
Amebiasis rate by year of report
Kansas, 1983-1996



Amebiasis cases by county
Kansas, 1996



Amebiasis cases by age group
Kansas, 1996



Botulism, Infant

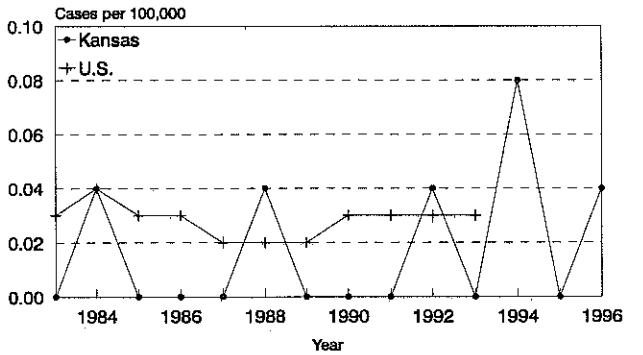
Number of cases - 1

Cases in 1995 - 0

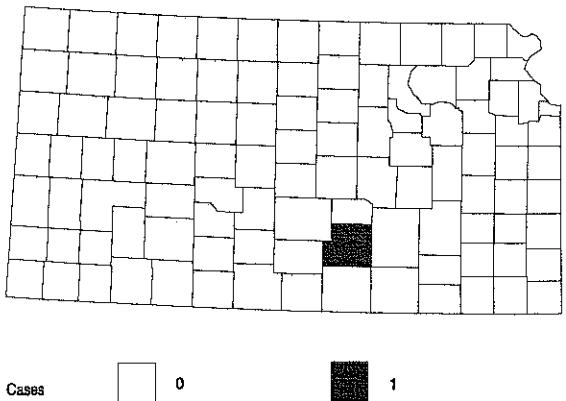
Kansas rate - < 0.1 per 100,000

U.S. rate (1993) - < 0.1 per 100,000

Infant Botulism rate by year of report
Kansas, 1983-1996



Infant Botulism cases by county
Kansas, 1996



Brucellosis

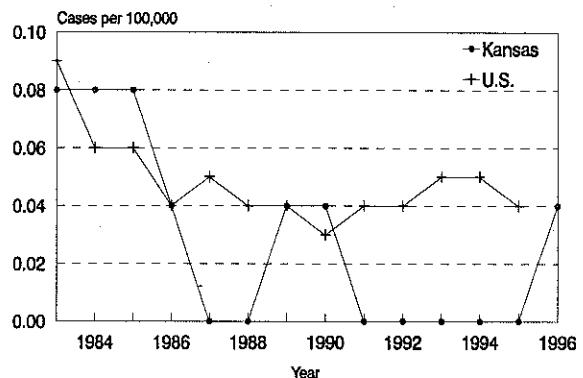
Number of cases - 1

Cases in 1995 - 0

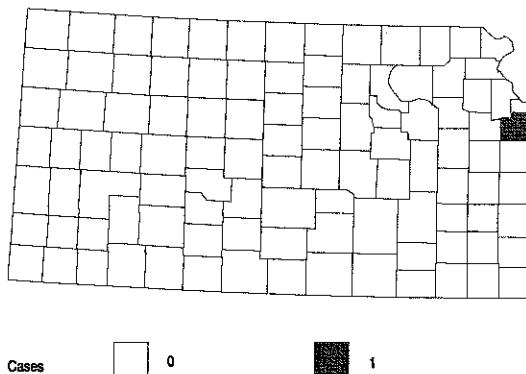
Kansas rate - < 0.1 per 100,000

U.S. rate (1995) - < 0.1 per 100,000

Brucellosis rate by year of report
Kansas, 1983-1996



Brucellosis cases by county
Kansas, 1996



Campylobacteriosis

Number of cases - 208

% change from 1995 - minus 13%

Kansas rate - 8.1 per 100,000

U.S. rate - not available

Age of case-patients

Median - 31 years

Range - <1 to 89 years

Rate by sex

Female - 6.1 per 100,000

Male - 9.7 per 100,000

Rate by race

White - 6.5 per 100,000

Black - 9.1 per 100,000

Asian - 9.5 per 100,000

Rate by ethnicity

Hispanic - 12.8 per 100,000

Non Hispanic - 5.6 per 100,000

Rate by geographic area

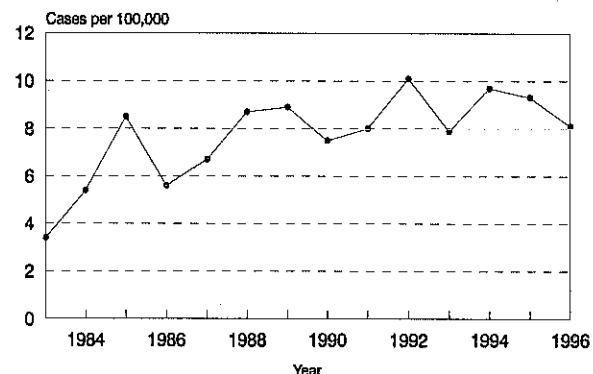
Urban - 9.7 per 100,000

Rural - 6.8 per 100,000

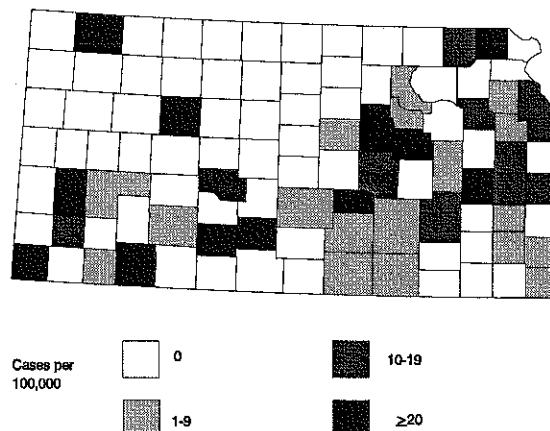
**Species identified by state laboratory
(101 samples)**

C. jejuni 94 (93%)
C. coli 7 (7%)

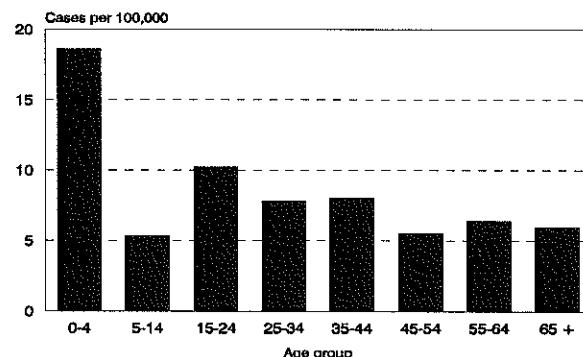
Campylobacteriosis rate by year Kansas, 1983-1996



Campylobacteriosis rate by county Kansas, 1996



Campylobacteriosis rate by age group Kansas, 1996



Chancroid

Number of cases - 2

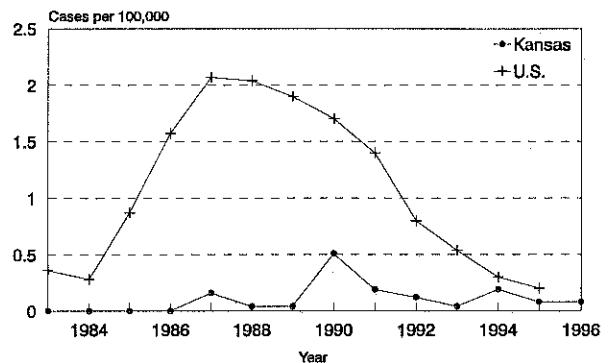
Cases in 1995 - 2

Kansas rate - 0.1 per 100,000

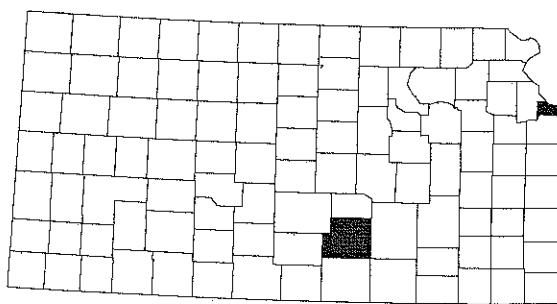
U.S. rate (1995) - 0.2 per 100,000

Median age of cases - 19 years

Chancroid rate by year of report
Kansas, 1983-1996



Chancroid cases by county
Kansas, 1996



Cases 0 1

Chlamydia

Number of cases - 4,448

% change from 1995 - minus 16%

Kansas rate - 173.4 per 100,000

U.S. rate (1995) - 182.2 per 100,000

Age of case-patients

Median - 20 years

Range - 1 to 73 years

Rate by sex

Female - 287.1 per 100,000

Male - 55.9 per 100,000

Rate by race

White - 103.7 per 100,000

Black - 1,047.7 per 100,000

Asian - 182.7 per 100,000

Native Am. - 209.4 per 100,000

Rate by ethnicity

Hispanic - 485.7 per 100,000

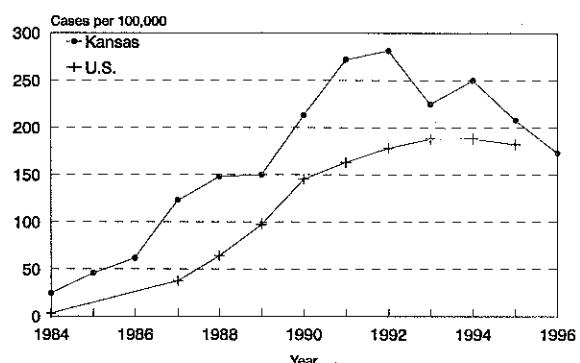
Non Hispanic - 167.5 per 100,000

Rate by geographic area

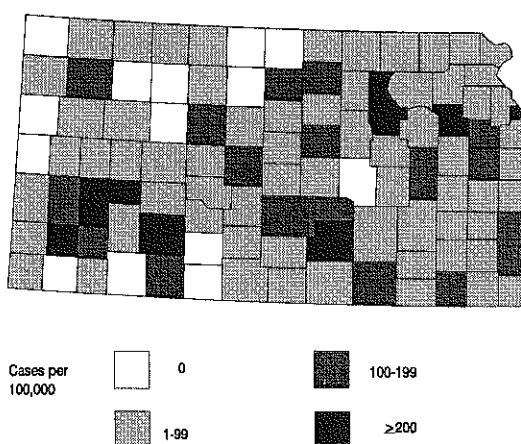
Urban - 228.5 per 100,000

Rural - 124.4 per 100,000

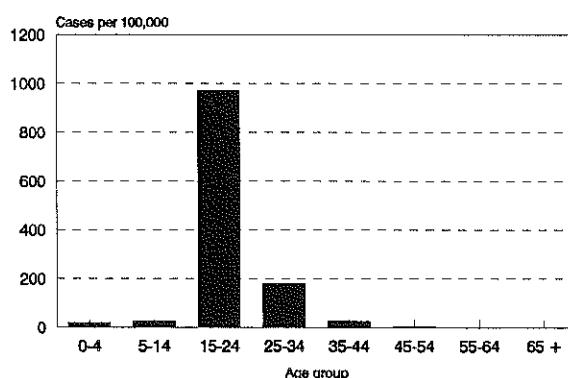
Chlamydia rate by year
Kansas, 1984-1996



Chlamydia rate by county
Kansas, 1996



Chlamydia rate by age group
Kansas, 1996



Cryptosporidiosis

Number of cases - 11

Cases in 1995 - 31

Kansas rate - 0.4 per 100,000

U.S. rate - not available

Age of case-patients

Median - 33 years

Range - 5 to 74 years

Cases by sex

Female - 5

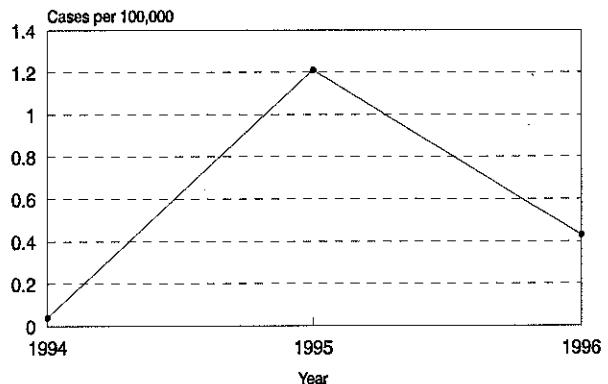
Male - 5

Cases by geographic area

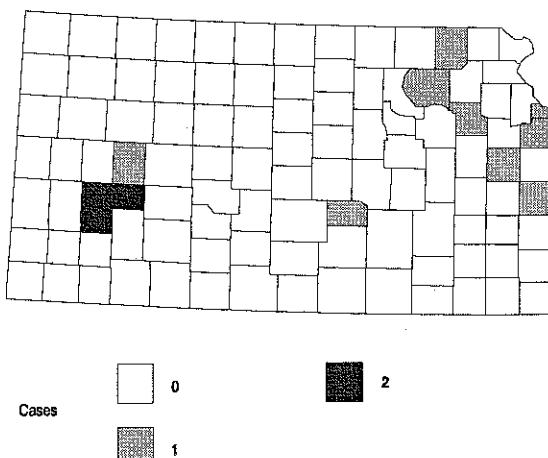
Urban - 3

Rural - 8

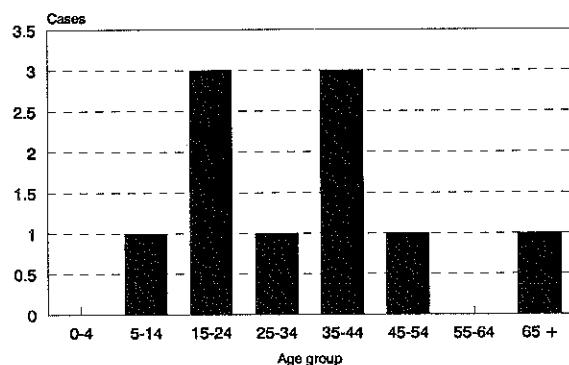
**Cryptosporidiosis rate by year
Kansas, 1994-1996**



**Cryptosporidiosis cases by county
Kansas, 1996**



**Cryptosporidiosis cases by age group
Kansas, 1996**



E. coli O157:H7

Number of cases - 33

Cases in 1995 - 29

Kansas rate - 1.3 per 100,000

U.S. rate (1995) - 1.0 per 100,000

Age of case-patients

Median - 16 years

Range - 2 to 84 years

Cases by sex

Female - 21

Male - 12

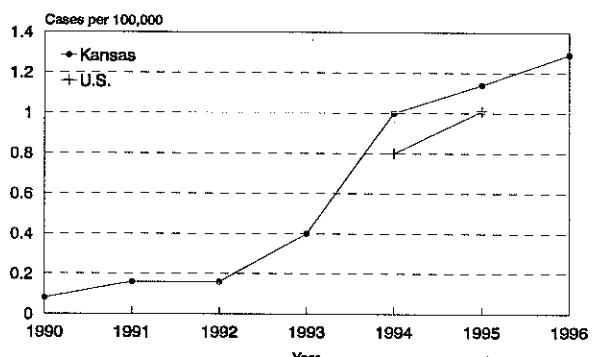
Cases by geographic area

Urban - 22

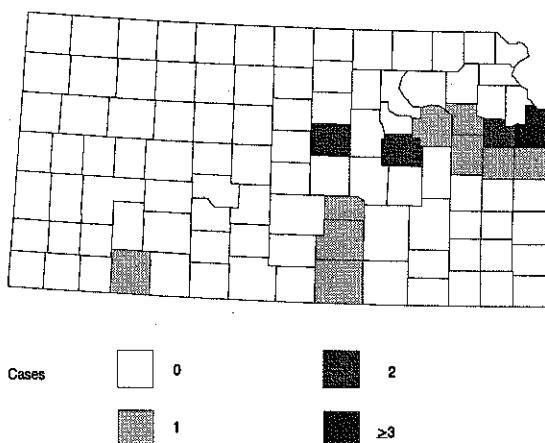
Rural - 11

Comment: *E. coli* O157:H7 infection became a reportable condition in Kansas in 1996.

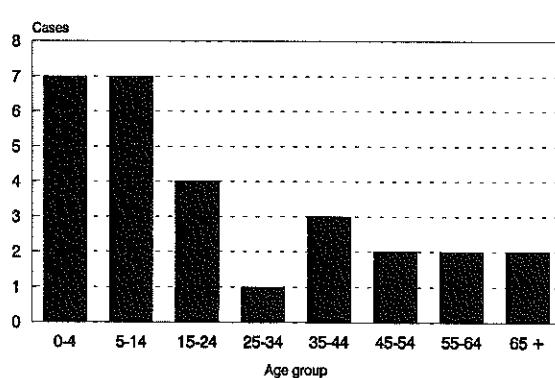
E. coli O157:H7 rate by year
Kansas, 1990-1996



E. coli O157:H7 cases by county
Kansas, 1996



E. coli O157:H7 cases by age group
Kansas, 1996



Primary Encephalitis

Number of cases - 2

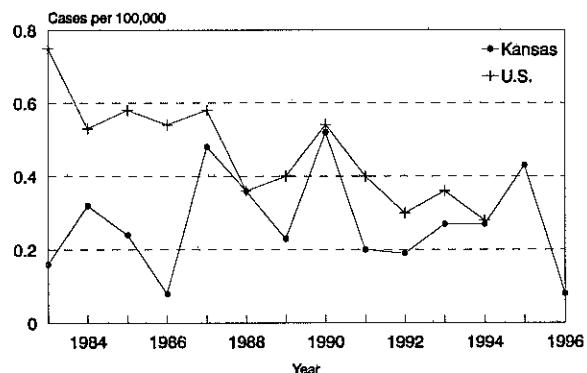
Cases in 1995 - 11

Kansas rate - 0.1 per 100,000

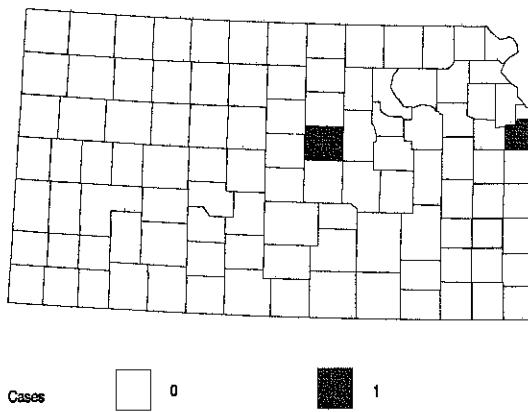
U.S. rate (1994) - 0.3 per 100,000

Median age of cases - 32 years

Primary Encephalitis rate by year
Kansas, 1983-1996



Primary Encephalitis cases by county
Kansas, 1996



Cases 0 1

Giardiasis

Number of cases - 237

% change from 1995 - minus 40 %

Kansas rate - 9.2 per 100,000

U.S. rate - not available

Age of case-patients

Median - 23 years

Range - < 1 to 77 years

Rate by sex

Female - 9.3 per 100,000

Male - 8.9 per 100,000

Rate by race

White - 6.9 per 100,000

Black - 4.9 per 100,000

Asian - 53.5 per 100,000

Rate by ethnicity

Hispanic - 7.5 per 100,000

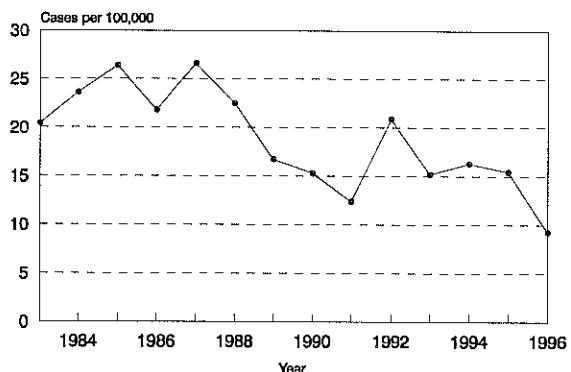
Non Hispanic - 6.0 per 100,000

Rate by geographic area

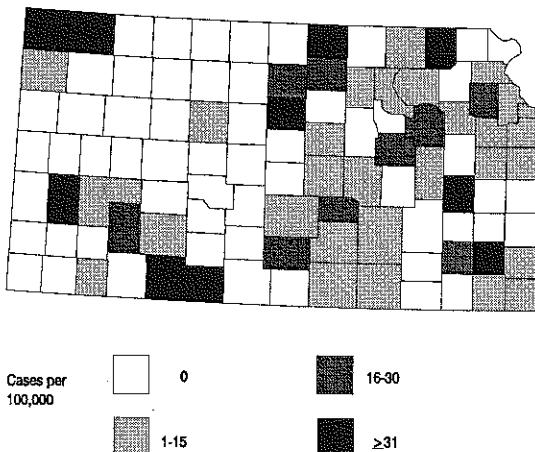
Urban - 10.4 per 100,000

Rural - 8.3 per 100,000

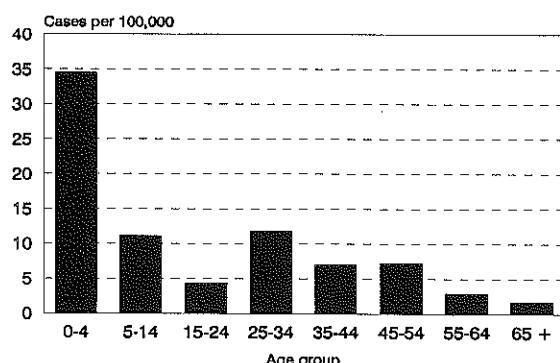
Giardiasis rate by year
Kansas, 1983-1996



Giardiasis rate by county
Kansas, 1996



Giardiasis rate by age group
Kansas, 1996



Gonorrhea

Number of cases - 2,043

% change from 1995 - minus 27%

Kansas rate - 79.6 per 100,000

U.S. rate (1995) - 149.5 per 100,000

Age of case-patients

Median - 21 years

Range - 1 to 71 years

Rate by sex

Female - 83.1 per 100,000

Male - 76.0 per 100,000

Rate by race

White - 25.2 per 100,000

Black - 927.5 per 100,000

Asian - 50.4 per 100,000

Native Am. - 41.0 per 100,000

Rate by ethnicity

Hispanic - 106.8 per 100,000

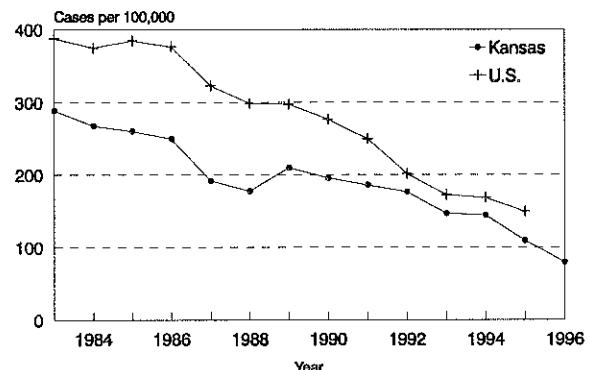
Non Hispanic - 81.5 per 100,000

Rate by geographic area

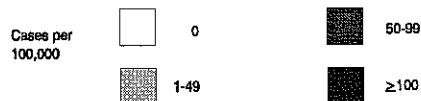
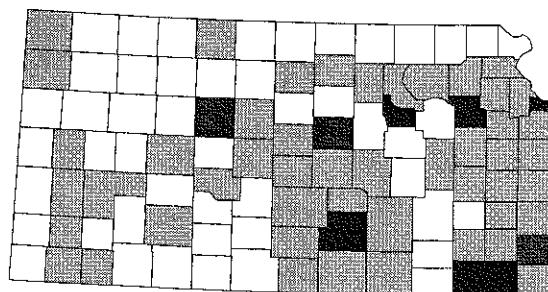
Urban - 131.8 per 100,000

Rural - 32.5 per 100,000

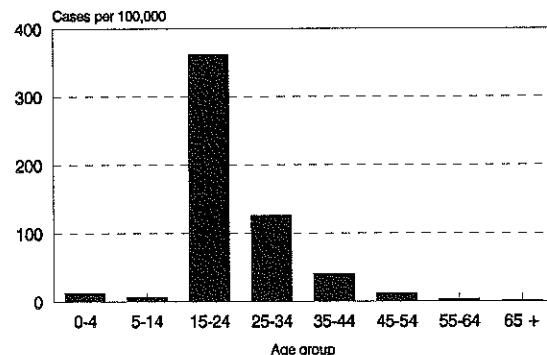
Gonorrhea rate by year
Kansas, 1983-1996



Gonorrhea rate by county
Kansas, 1996



Gonorrhea rate by age group
Kansas, 1996



Hantavirus Pulmonary Syndrome

Number of cases - 2

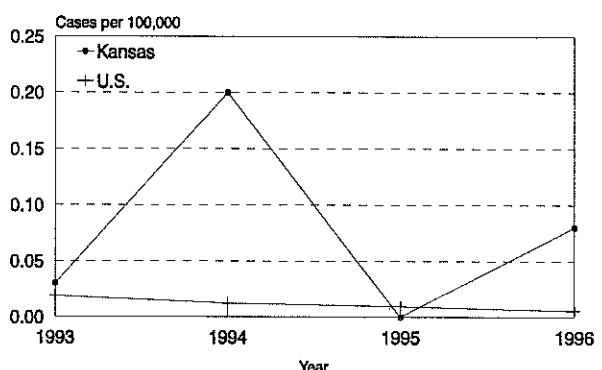
Cases in 1995 - 0

Kansas rate - 0.1 per 100,000

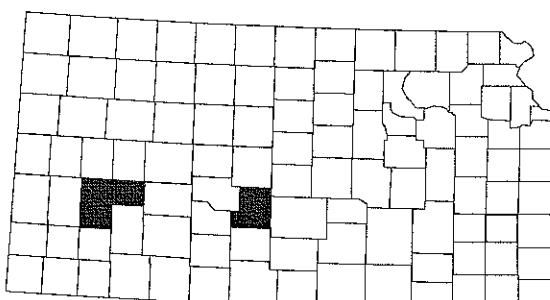
U.S. rate (1996) - < 0.1 per 100,000

Median age of cases - 37 years

Hantavirus rate by year
Kansas, 1993-1996



Hantavirus cases by county
Kansas, 1996



Hepatitis A

Number of cases - 393
 % change from 1995 - plus 143%

Kansas rate - 15.3 per 100,000
 U.S. rate (1995) - 12.1 per 100,000

Age of case-patients

Median - 27 years
 Range - 1< to 84 years

Rate by sex

Female - 12.7 per 100,000
 Male - 18.0 per 100,000

Rate by race

White - 15.6 per 100,000
 Black - 18.9 per 100,000
 Asian - 3.2 per 100,000

Rate by ethnicity

Hispanic - 38.4 per 100,000
 Non Hispanic - 13.3 per 100,000

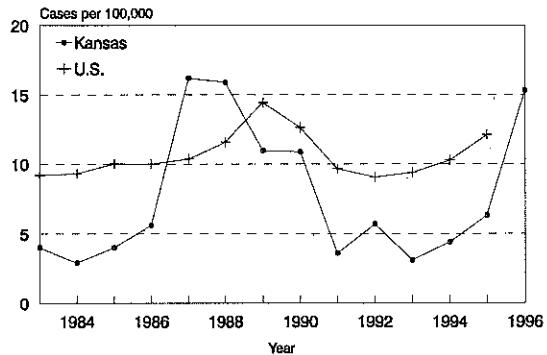
Rate by geographic area

Urban - 17.7 per 100,000
 Rural - 13.3 per 100,000

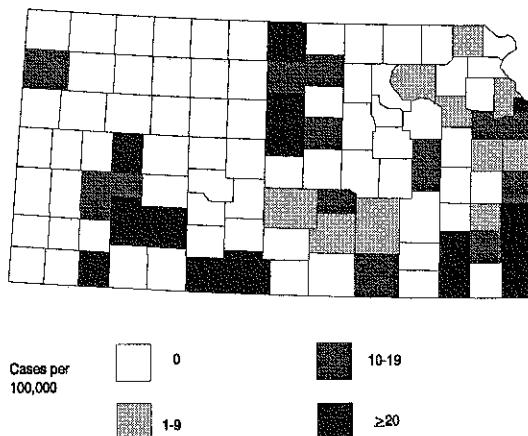
Risk factors: (during 2-6 weeks prior to illness)

Contact of hepatitis A case	155 (39%)
Foreign travel	12 (3 %)

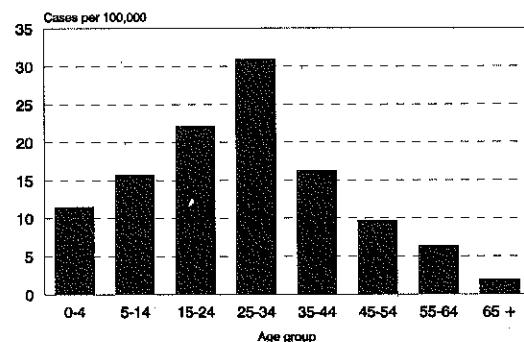
Hepatitis A rate by year
Kansas, 1983-1996



Hepatitis A rate by county
Kansas, 1996



Hepatitis A rate by age group
Kansas, 1996



Hepatitis B

Number of cases - 32

Cases in 1995 - 53

Kansas rate - 1.3 per 100,000

U.S. rate (1995) - 4.2 per 100,000

Age of case-patients

Median - 31 years

Range - 14 to 99 years

Cases by sex

Female - 16

Male - 16

Cases by geographic area

Urban -10

Rural -22

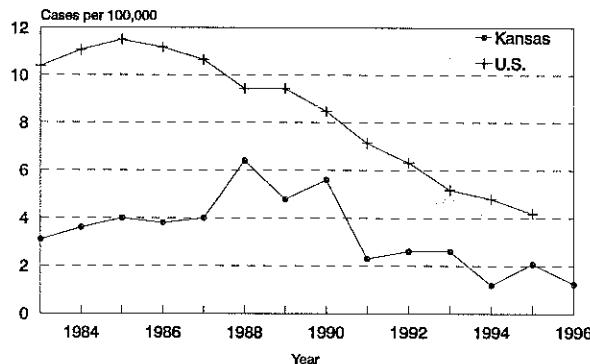
Cases who had received 3 doses of
the hepatitis B vaccine 1 (3%)

Risk factors
(6 weeks - 6 months prior to illness)

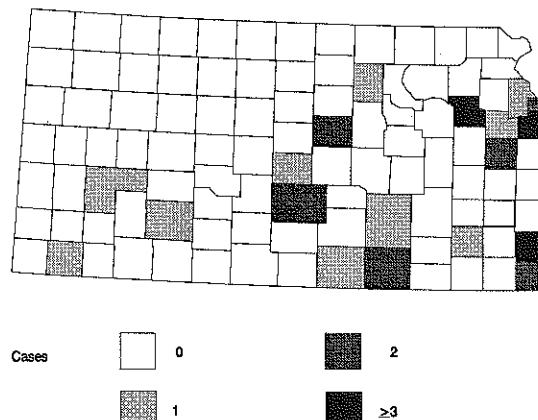
Contact of hepatitis B case	6 (19%)
≥ 2 sexual partners	19 (59%)
Tattoo	3 (9%)
Injection drug use	4 (13%)

Comment: Only acute cases are reported.

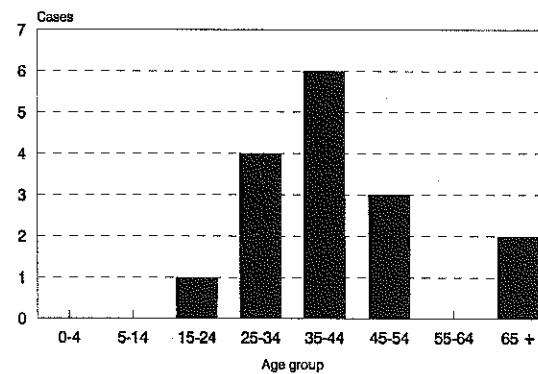
Hepatitis B rate by year Kansas, 1983-1996



Hepatitis B cases by county Kansas, 1996



Hepatitis C/non-A, non-B cases by age group Kansas, 1996



Hepatitis C/non-A, non-B

Number of cases - 16

Cases in 1995 - 18

Kansas rate - 0.6 per 100,000

U.S. rate (1995) - 1.8 per 100,000

Age of case-patients

Median -39 years

Range -17 to 72 years

Cases by sex

Female -5

Male -11

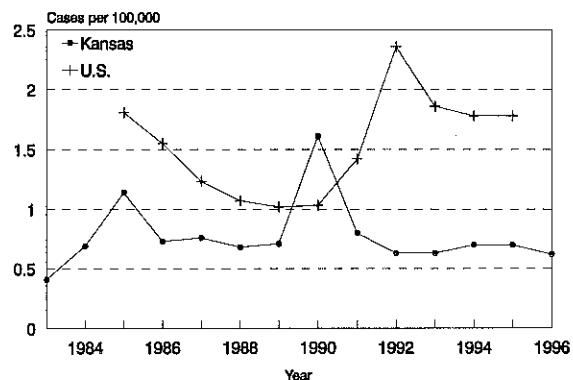
Cases by geographic area

Urban -2

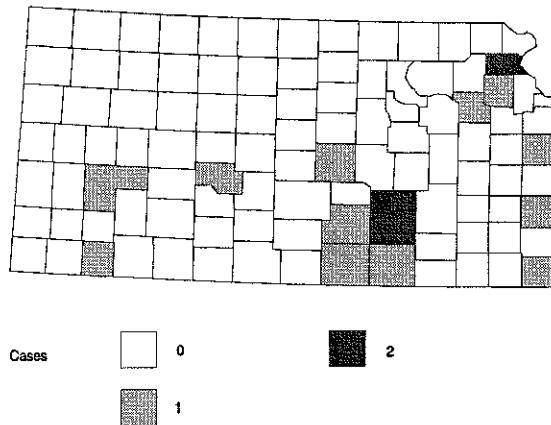
Rural - 14

Comment: Only acute cases are reported.

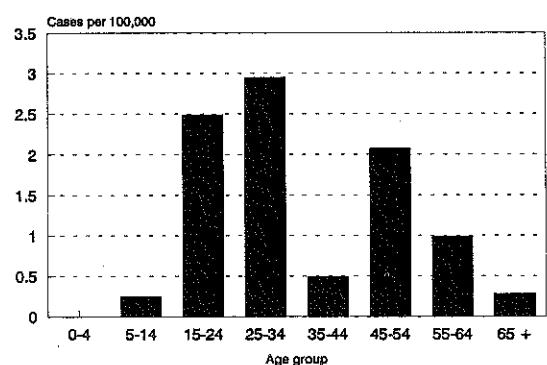
**Hepatitis C/non-A, non-B rate by year of report
Kansas, 1983-1996**



**Hepatitis C/non-A, non-B cases by county
Kansas, 1996**



**Hepatitis B rate by age group
Kansas, 1996**



Influenza

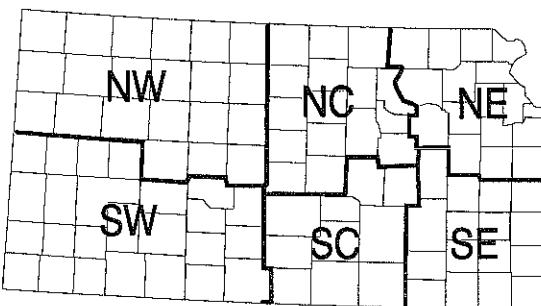
Specimen submissions* for influenza

Analyzed for influenza	75
Influenza A (Positive)	20
Typed (all H3N2)	12
Culture or	
Fluorescent antibody (+)	8
Influenza B	6
Influenza (Negative)	46
Herpes simplex virus (+)	2
Respiratory syncitial virus (+)	1

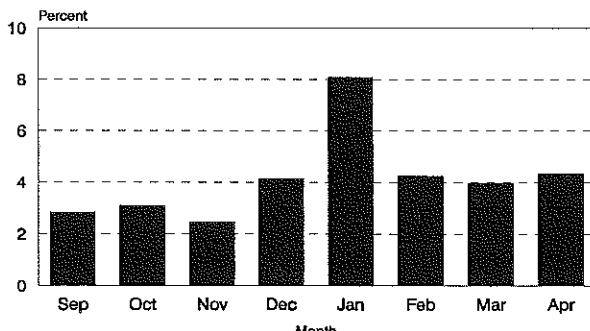
Age group	Specimens	Pos A	Pos B
< 12	15	4	0
12 - 19	12	4	0
20 - 39	25	6	4
> 40	23	6	2
Total	75	20	6

Geographic Area (Specimens analyzed for influenza)	Pos A	Pos B	Percent	
			Specimens	Deaths
NE (36)	11	4	30.0	1.1
NC (18)	2	0	11.1	0.0
NW (7)	1	2	14.3	2.9
SE (9)	2	0	22.2	0.0
SC (5)	4	0	20.0	0.0
SW (0)	0	0	0.0	0.0
Total (75)	20	6	100.0	4.0

Geographic regions in Kansas



Percent of deaths due to pneumonia and influenza, September, 1996 - April, 1997, Kansas



Total deaths (September, 1996 - April, 1997) = 15,742

Comment: The trends observed in Kansas were reflected in much of the U.S., with heaviest flu-like activity occurring between late November and early January.

During the 1996/1997 flu season, January showed the highest percentage of deaths due to pneumonia and influenza. Over 92% of deaths due to pneumonia/influenza during this period were among people aged 65 and over.

* Specimens were analyzed by the Kansas Health and Environment Laboratory.

Pediatric Lead Poisoning

Number of cases - 1,171
 % change from 1995 - minus 9%

Kansas rate - 450.9 per 100,000
 children age \leq 6 years old

U.S. rate - not available

Age of case-patients

Median - 35 months
 Range - 6 to 72 months

Rate by sex

Female - 415.6 per 100,000
 Male - 433.4 per 100,000

Rate by race - not available

Rate by ethnicity - not available

Rate by geographic area

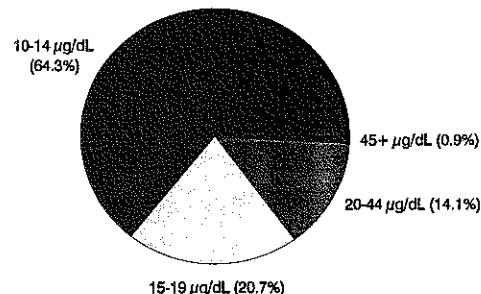
Urban - 174.7 per 100,000
 Rural - 430.4 per 100,000

Comment: Pediatric lead poisoning was defined as a blood lead level $\geq 10 \mu\text{g}/\text{dL}$.

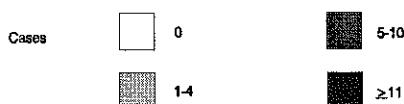
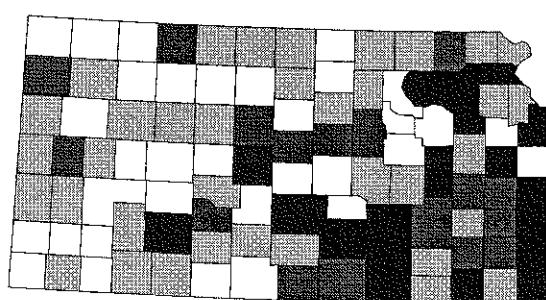
Results were received from both private and public laboratories. Only elevated results are reported by private laboratories.

Differences in number of cases by geographic area may be attributable to variations in screening practices.

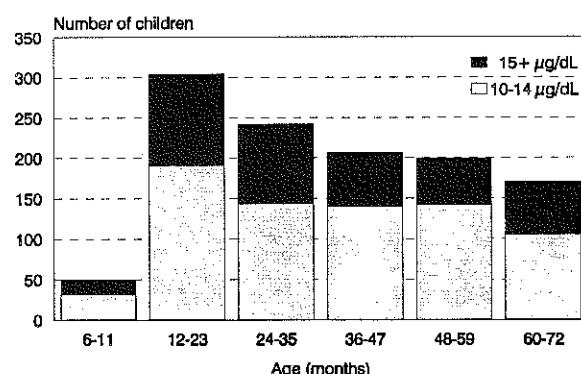
Positive Blood lead results for children 6 to 72 months
 Kansas, 1996



Pediatric lead poisoning cases by county
 Kansas, 1996



Pediatric lead poisoning by age group
 Kansas, 1996



Legionellosis

Number of cases - 6

Cases in 1995 - 8

Kansas rate - 0.2 per 100,000

U.S. rate (1995) - 0.5 per 100,000

Age of case-patients

Median - 48 years

Range - 41 to 77 years

Cases by sex

Female - 4

Male - 2

Cases by geographic area

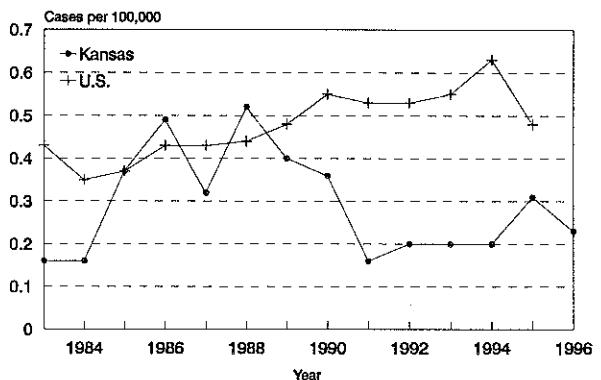
Urban - 4

Rural - 2

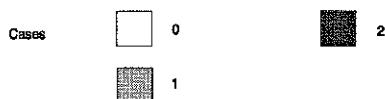
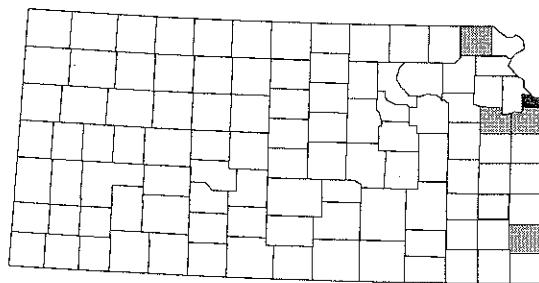
Underlying Condition at date of onset

Cancer	1 (20%)
Transplant	0 (0%)
Renal dialysis	0 (0%)
Systemic	
Corticosteroids	0 (0%)
Other immuno-suppressants	0 (0%)
Diabetes	1 (20%)
Smoker	3 (60%)

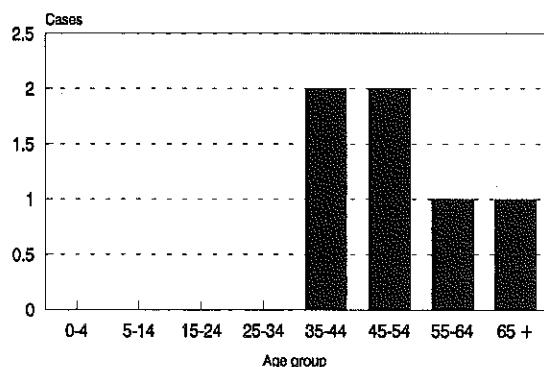
Legionellosis rate by year
Kansas, 1983-1996



Legionellosis cases by county
Kansas, 1996



Legionellosis cases by age group
Kansas, 1996



Lyme Disease

Number of cases - 36

Cases in 1995 - 23

Kansas rate - 1.4 per 100,000

U.S. rate (1996, provisional data) -
6.2 per 100,000

Age of case-patients

Median - 37 years

Range - 7 to 69 years

Cases by sex

Female - 23

Male - 13

Site of likely exposure (31)

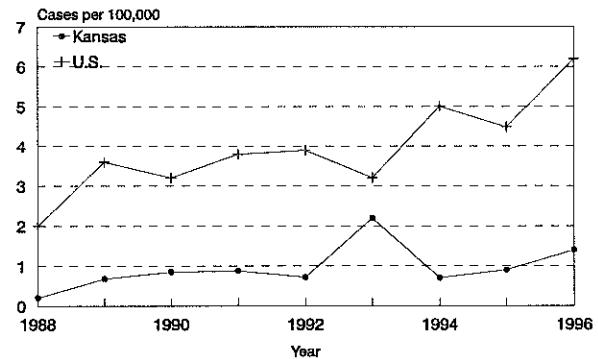
Kansas	23 (74%)
Out of state	8 (26%)

Clinical characteristics

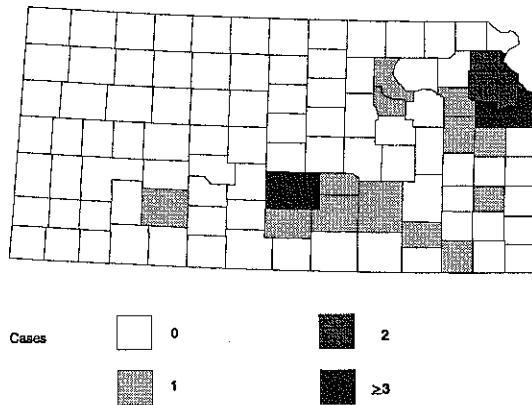
Erythema migrans	18 (50%)
Rheumatic signs	18 (50%)
Neurologic signs	10 (28%)
Cardiac signs	1 (3%)

Comment: The spirochete (*Borrelia burgdorferi*) that causes Lyme disease has not yet been isolated by culture in Kansas.

Lyme disease rate by year
Kansas, 1988-1996

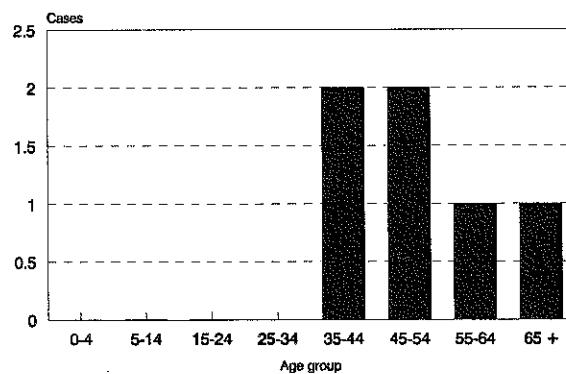


Lyme disease cases by county
Kansas, 1996



Cases	 0	 2
	 1	 ≥3

Lyme disease cases by age group
Kansas, 1996



Malaria

Malaria rate by year
Kansas, 1983-1996

Number of cases - 7

Cases in 1995 - 4

Kansas rate - 0.3 per 100,000

U.S. rate (1995) - 0.6 per 100,000

Age of case-patients

Median - 35 years

Range - < 1 to 52 years

Cases by sex

Female - 2

Male - 5

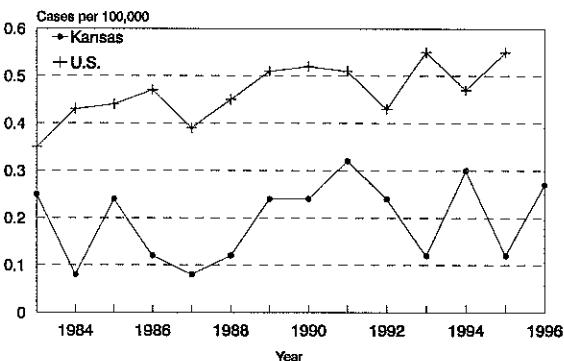
Country of recent travel

Honduras 1

India 2

New Guinea 1

Nigeria 2



U.S. citizen

Yes 3

No 4

Malaria species

P. vivax 4

Falciparum 3

Prophylaxis

Primaquine 1

Mefloquine 1

Comment: One of the cases reported in Kansas in 1996 was congenital malaria.

Measles

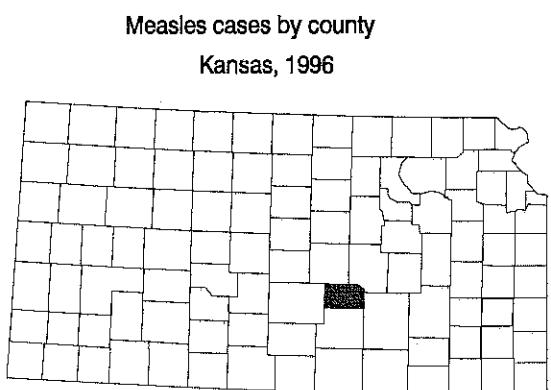
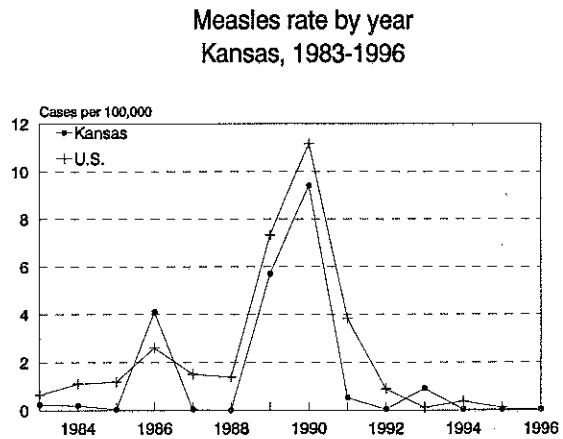
Number of cases - 1

Cases in 1995 - 1

Kansas rate - < 0.1 per 100,000

U.S. rate (1995) - 0.1 per 100,000

Comment: Children are to be immunized against measles at 12-15 months of age using the triple antigen vaccine (measles-mumps-rubella).



Cases 0 1

Aseptic Meningitis

Number of cases - 39

Cases in 1995 - 117

Kansas rate - 1.5 per 100,000

U.S. rate (1994) - 3.7 per 100,000

Age of case-patients

Median - 29 years

Range - < 1 to 76 years

Cases by sex

Female - 19

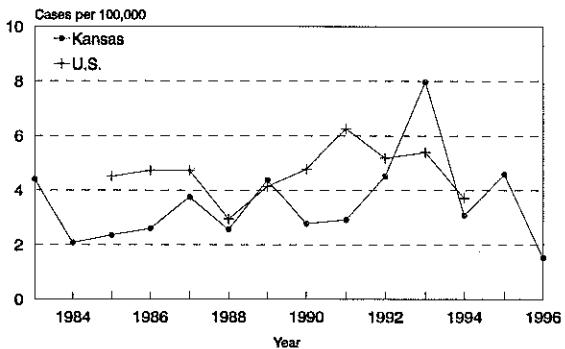
Male - 19

Cases by geographic area

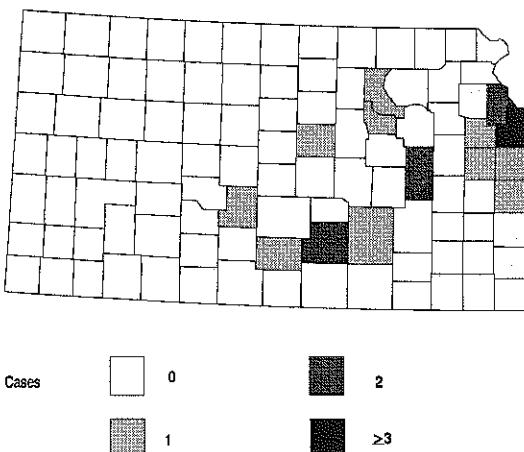
Urban - 26

Rural - 13

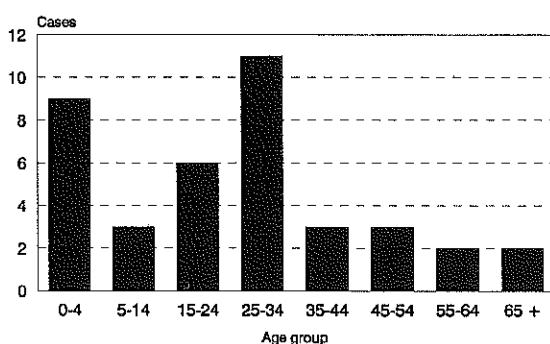
Aseptic Meningitis rate by year of report
Kansas, 1983-1996



Aseptic meningitis cases by county
Kansas, 1996



Aseptic Meningitis cases by age group
Kansas, 1996



Haemophilus influenzae Meningitis

Number of cases - 3

Cases in 1995 - 2

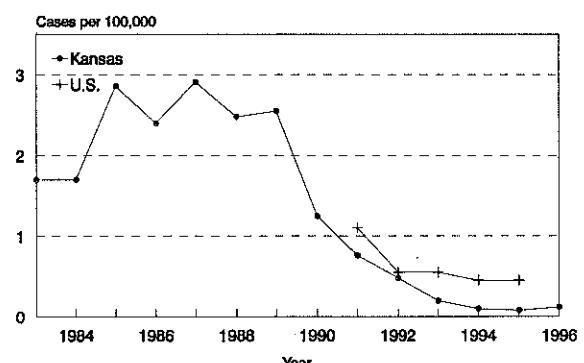
Kansas rate - 0.1 per 100,000

U.S. rate (1995) - 0.5 per 100,000

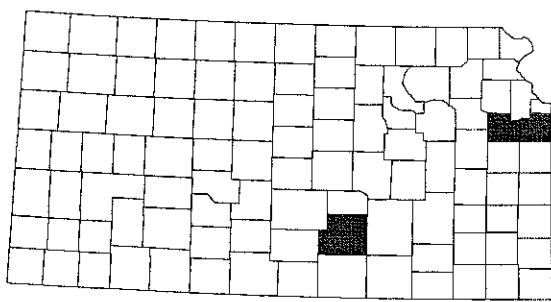
Median age of cases - 72 years

Comment: This includes one pediatric case that did not receive the recommended HIB vaccine.

Haemophilus influenzae meningitis
rate by year - Kansas, 1983-1996



Haemophilus influenzae meningitis
cases by county - Kansas, 1996



Meningococcal Disease

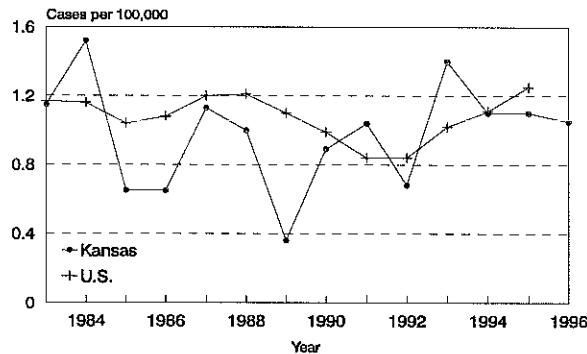
Number of cases - 27

Cases in 1995 - 28

Kansas rate - 1.1 per 100,000

U.S. rate (1995) - 1.3 per 100,000

Meningococcal disease rate by year
Kansas, 1983-1996



Age of case-patients

Median - 15 years

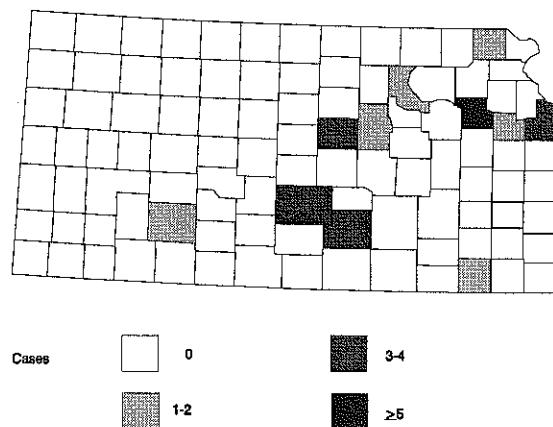
Range - <1 to 82 years

Cases by sex

Female - 11

Male - 16

Meningococcal cases by county
Kansas, 1996

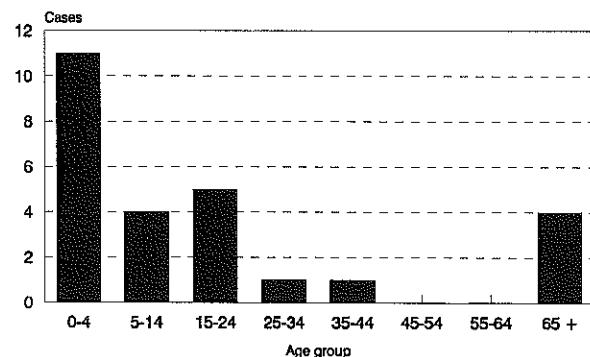


Cases by geographic area

Urban - 16

Rural - 11

Meningococcal disease cases by age group
Kansas, 1996



Serogroup (5 samples)

A	0 (0%)
B	3 (60%)
C	1 (20%)
Y	1 (20%)

Mumps

Number of cases - 2

Cases in 1995 - 0

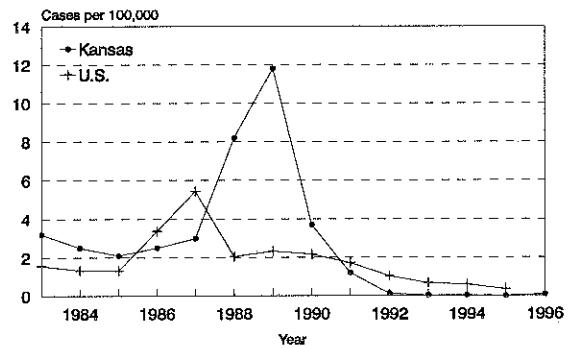
Kansas rate - 0.1 per 100,000

U.S. rate (1995) - 0.4 per 100,000

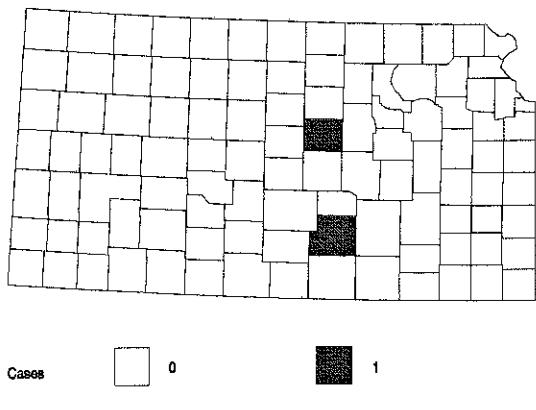
Median age of cases - 4 years

Comment: Both cases were up-to-date
on mumps vaccination.

Mumps rate by year
Kansas, 1983-1996



Mumps cases by county
Kansas, 1996



Pertussis

Number of cases - 14

Cases in 1995 - 23

Kansas rate - 0.6 per 100,000

U.S. rate (1995) - 2.0 per 100,000

Age of case-patients

Median - 4 years

Range - <1 to 42 years

Cases by sex

Female - 7

Male - 7

Cases by geographic area

Urban - 6

Rural - 8

Vaccination status of cases

No history of vaccine	3 (22%)
-----------------------	---------

Too young for vaccine (< 2 mo.)	2 (14%)
---------------------------------	---------

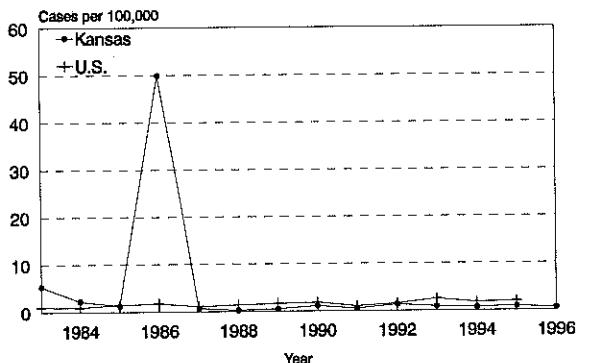
Previous DPT	4 (29%)
--------------	---------

DT only	2 (14%)
---------	---------

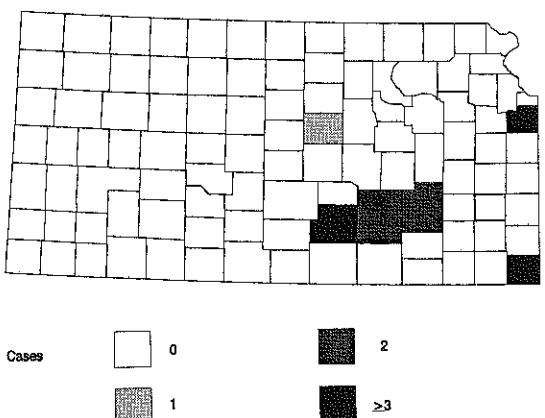
Up-to-date	1 (7%)
------------	---------

Unknown	2 (14%)
---------	---------

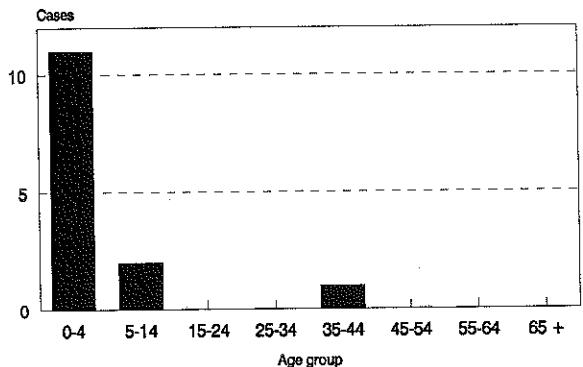
Pertussis rate by year
Kansas, 1983-1996



Pertussis cases by county
Kansas, 1996



Pertussis cases by age group
Kansas, 1996



Rabies, Animal

Number of cases - 37

Cases in 1995 - 46

Number of counties reporting rabid animals - 18 (17%)

Types of rabid animals

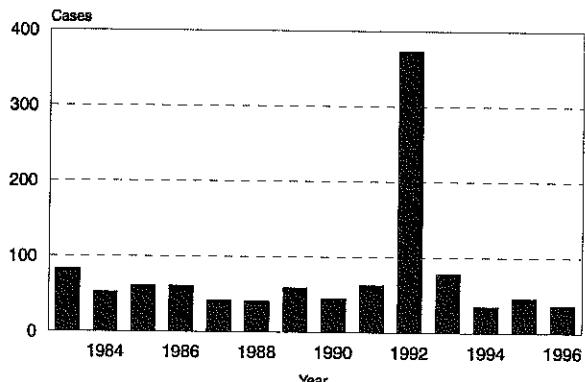
Wild	29 (78%)
Domestic	8 (22%)
Pets	5
Livestock	3

Rabies was not found in the following species tested in Kansas during the past 6 years (1991-1996):

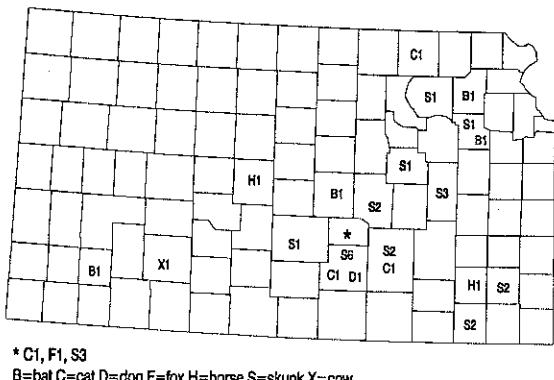
Antelope, Baboon, Badger, Beaver, Bison, Chipmunk, Coati, Cougar, Deer, Donkey, Ferret, G. Squirrel, Gerbil, Goat, Gopher, Groundhog, Guinea Pig, Hamster, Hedgehog, Human, Lion, Llama, Mink, Mole, Mouse, Muskrat, Opossum, Pig, Porcine, Porcupine, Prairie Dog, Primate, Pronghorn, Rabbit, Rat, Ringtail, Rodent, Sheep, Squirrel, Tiger, Weasel, Wolf, Woodchuck, Other rodents/lagomorphs.

Comment: The last human case of rabies in Kansas occurred in Montgomery County in 1968.

**Animal rabies by year
Kansas, 1983-1996**



**Animal rabies by species and county
Kansas, 1996**



Rabid animals by species Kansas, 1996

Species	Number Tested	Number Positive	Percent Positive
Bat	63	4	6.3
Cat	685	4	0.6
Cow	43	1	2.3
Dog	608	1	0.2
Fox	3	1	33.3
Horse	7	2	28.6
Skunk	95	24	25.3

Rheumatic fever

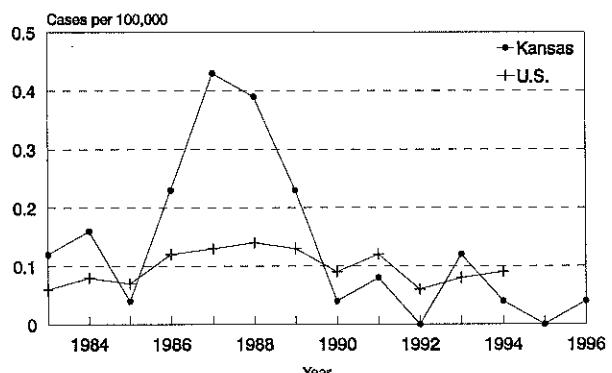
Number of cases - 1

Cases in 1995 - 0

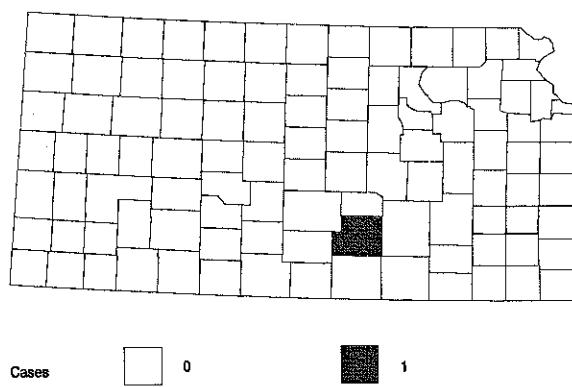
Kansas rate - < 0.1 per 100,000

U.S. rate (1994) - 0.1 per 100,000

Rheumatic fever rate by year of report
Kansas, 1983-1996



Rheumatic fever cases by county
Kansas, 1996



Rocky Mountain Spotted Fever

Number of cases - 2

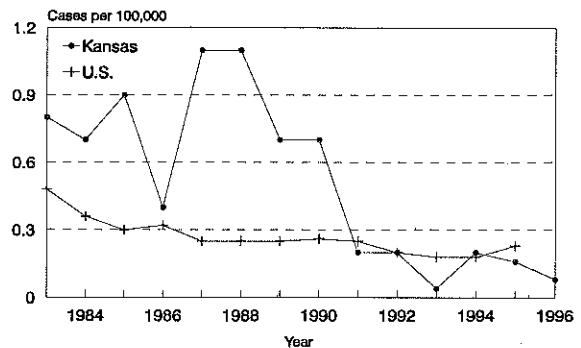
Cases in 1995 - 4

Kansas rate - 0.1 per 100,000

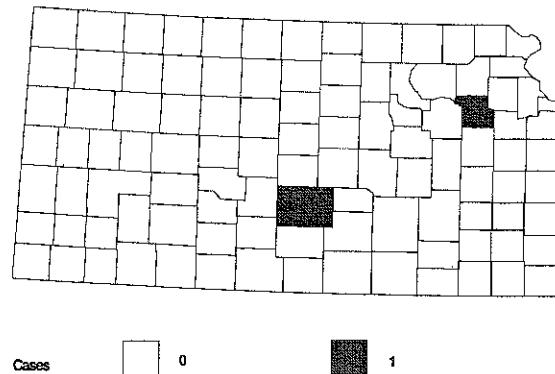
U.S. rate (1995) - 0.2 per 100,000

Median age of cases - 32 years

Rocky Mountain Spotted Fever rate
by year - Kansas, 1983-1996



Rocky Mountain Spotted Fever cases by county - Kansas, 1996



Salmonellosis (non-typhoidal)

Number of cases - 419
 % change from 1995 - plus 15%
 Kansas rate - 16.3 per 100,000
 U.S. rate (1995) - 17.7 per 100,000

Age of case-patients
 Median - 23 years
 Range - <1 to 94 years
 Rate by sex
 Female - 16.8 per 100,000
 Male - 15.6 per 100,000

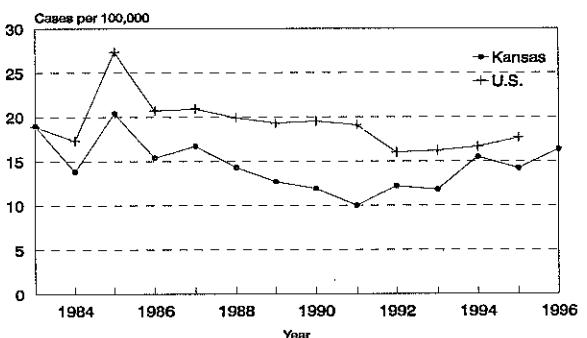
Rate by race
 White - 10.9 per 100,000
 Black - 18.2 per 100,000
 Asian - 12.6 per 100,000
 Rate by ethnicity
 Hispanic - 20.3 per 100,000
 Non Hispanic - 9.4 per 100,000

Rate by geographic area
 Urban - 18.4 per 100,000
 Rural - 14.6 per 100,000

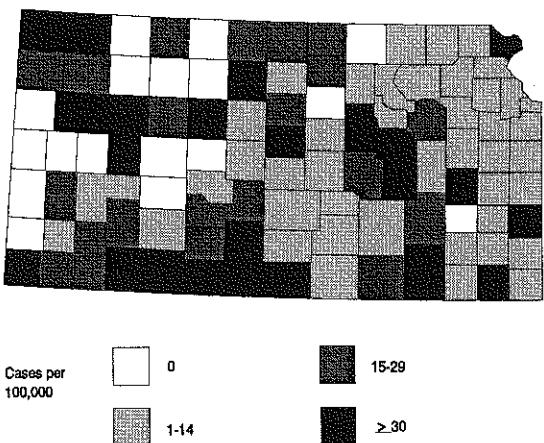
Serotypes identified by state laboratory
 (276 samples)

S. typhimurium	85 (31%)
S. newport	44 (16%)
S. enteritidis	26 (9%)
S. braenderup	12 (4%)
S. heidelberg	8 (3%)
S. oranienburg	7 (3%)
S. muenchen	6 (2%)
S. montevideo	5 (2%)
S. anatum	4 (1%)
S. infantis	4 (1%)
S. hadar	4 (1%)
Other	71(26%)

Salmonellosis rate by year
 Kansas, 1983-1996

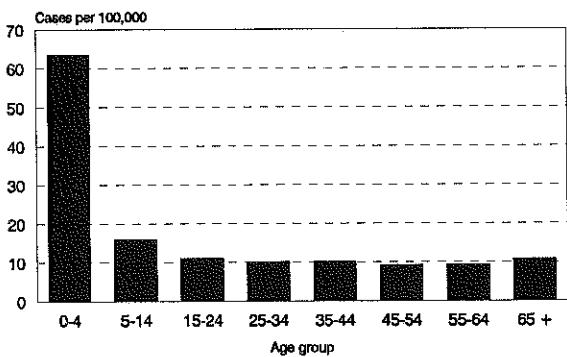


Salmonellosis rate by county
 Kansas, 1996



Cases per 100,000
 0
 1-14
 15-29
 >30

Salmonellosis rate by age group
 Kansas, 1996



Shigellosis

Number of cases - 112

% change from 1995 - minus 63%

Kansas rate - 4.4 per 100,000

U.S. rate (1995) - 12.3 per 100,000

Age of case-patients

Median - 10 years

Range - < 1 year to 85 years

Rate by sex

Female - 4.4 per 100,000

Male - 4.2 per 100,000

Rate by race

White - 3.3 per 100,000

Black - 9.8 per 100,000

Asian - 3.2 per 100,000

Rate by ethnicity

Hispanic - 15.0 per 100,000

Non Hispanic - 2.7 per 100,000

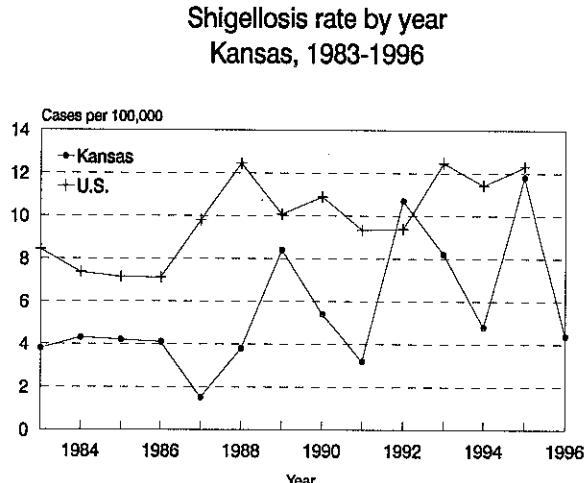
Rate by geographic area

Urban - 6.0 per 100,000

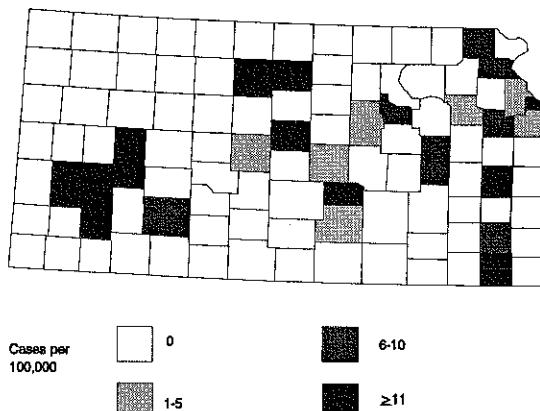
Rural - 2.9 per 100,000

**Species isolated by state laboratory
(69 samples)**

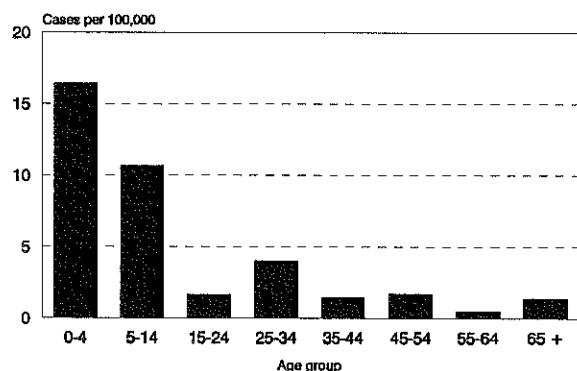
S. sonnei 49 (71%)
S. flexneri 20 (29%)



Shigellosis rate by county Kansas, 1996



Shigellosis rate by age group Kansas, 1996



Syphilis, Primary and Secondary

Number of cases - 28

Cases in 1995 - 47

Kansas rate - 1.1 per 100,000

U.S. rate (1995) - 6.3 per 100,000

Age of case-patients

Median - 28 years

Range - 16 to 46 years

Cases by sex

Female - 10

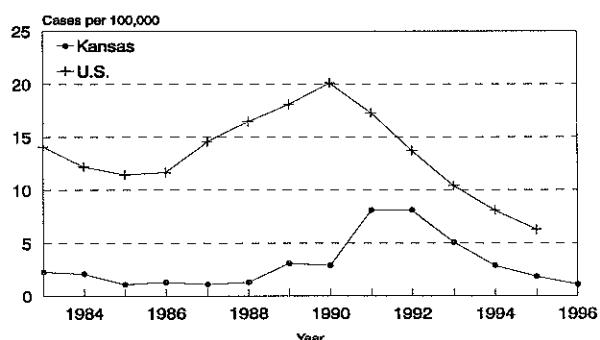
Male - 18

Cases by geographic area

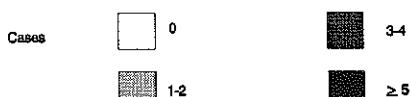
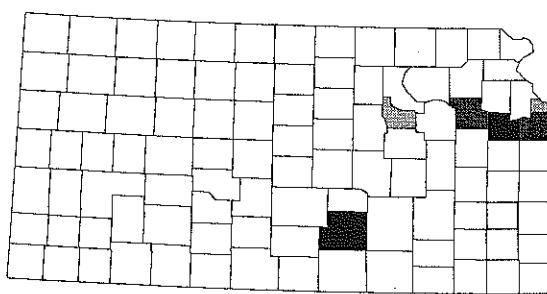
Urban - 27

Rural - 1

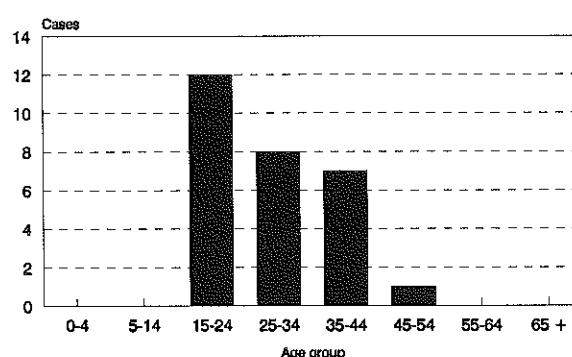
Primary and secondary syphilis rate
by year - Kansas, 1983-1996



Primary and secondary syphilis cases by county
Kansas, 1996



Primary and secondary syphilis cases
by age group - Kansas, 1996



Toxic-shock syndrome

Number of cases - 5

Cases in 1995 - 2

Kansas rate - 0.2 per 100,000

U.S. rate (1995) - 0.1 per 100,000

Age of case-patients

Median - 34 years

Range - 23 to 40 years

Cases by sex

Female - 4

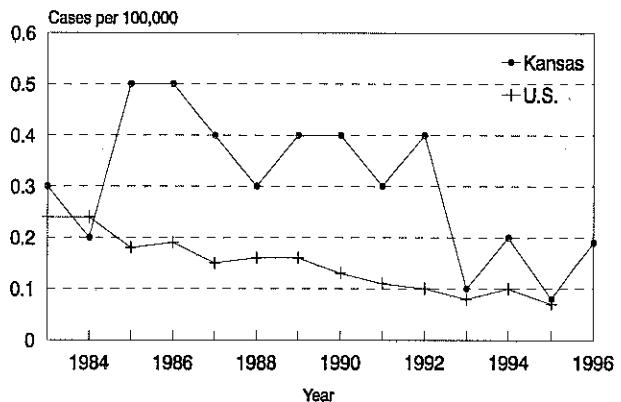
Male - 1

Cases by geographic area

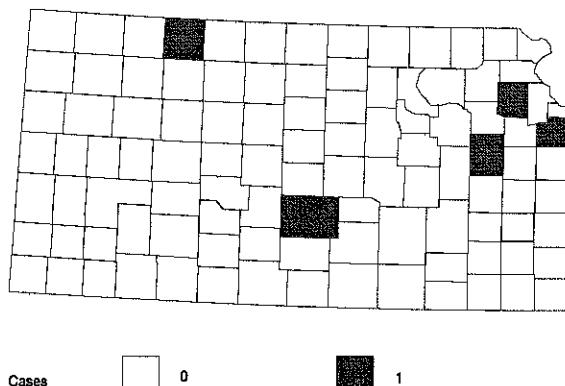
Urban - 1

Rural - 4

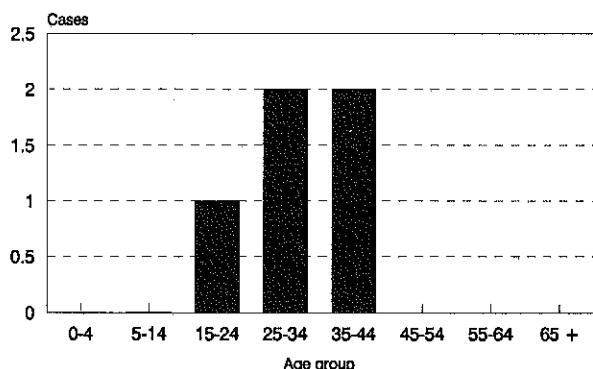
Toxic-Shock Syndrome rate by year
Kansas, 1983-1996



Toxic-shock syndrome cases by county
Kansas, 1996



Toxic-shock syndrome cases
by age group - Kansas, 1996



Tuberculosis

Number of cases - 73
 % change from 1995 - minus 18%
 Kansas rate - 2.8 per 100,000
 U.S. rate (1995) - 8.7 per 100,000

Age of case-patients
 Median - 44 years
 Range - 0 to 89 years

Rate by sex
 Female - 2.0 per 100,000
 Male - 3.7 per 100,000

Rate by race
 White - 1.6 per 100,000
 Black - 4.9 per 100,000
 Asian - 85.0 per 100,000

Rate by ethnicity
 Hispanic - 16.0 per 100,000
 Non Hispanic - 2.3 per 100,000

Rate by geographic area
 Urban - 4.0 per 100,000
 Rural - 1.8 per 100,000

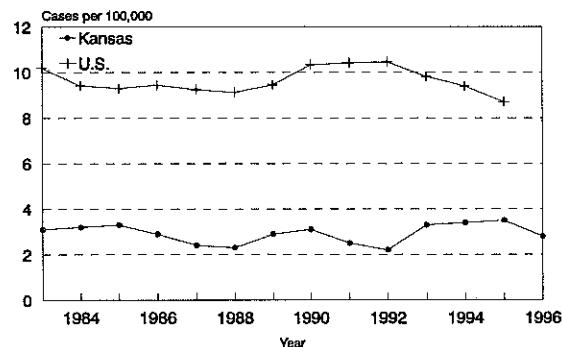
Cases who are foreign origin - 29 (40%)

Site of infection
 Pulmonary 50 (68%)
 Extra-pulmonary 23 (32%)

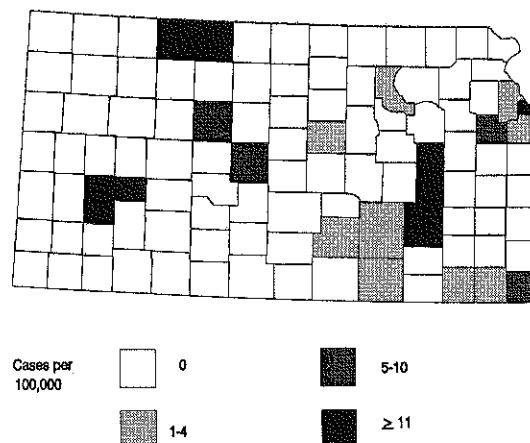
Drug resistance
 (60 samples)

No drug resistance	47 (78%)
Isoniazid (INH)	4 (6%)
Pyrazinamide (PZA)	2 (3%)
Streptomycin (SM)	1 (2%)
Ethambutol (EMB)	1 (2%)
INH&Rifampin	2 (3%)
INH&PZA	1 (2%)
INH&SM	1 (2%)
INH&EMB	1 (2%)

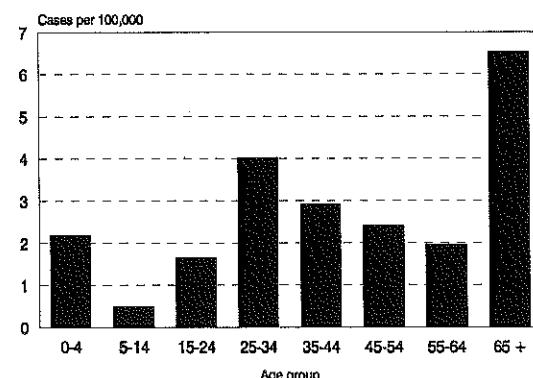
Tuberculosis rate by year
 Kansas, 1983-1996



Tuberculosis rate by county
 Kansas, 1996



Tuberculosis rate by age group
 Kansas, 1996



Tularemia

Number of cases - 3

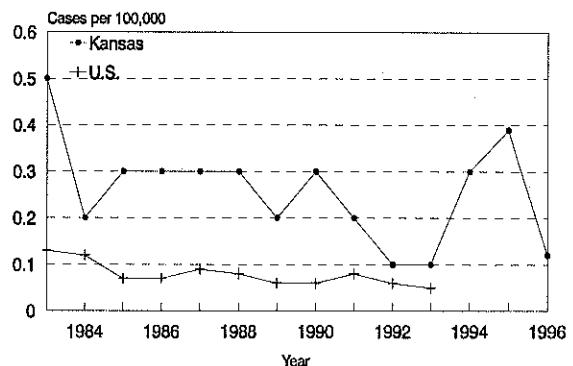
Cases in 1995 - 10

Kansas rate - 0.1 per 100,000

U.S. rate (1994) - <0.1 per 100,000

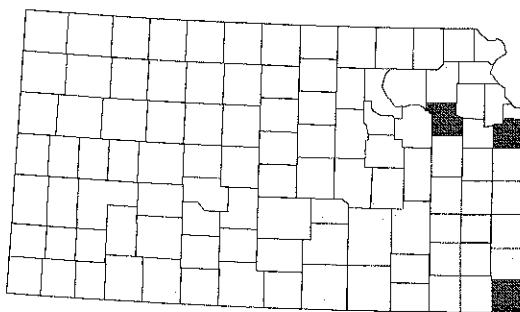
Median age of cases - 7 years

Tularemia rate by year
Kansas, 1983-1996



Tularemia cases by county

Kansas, 1996



Cases 0 1

Typhoid fever

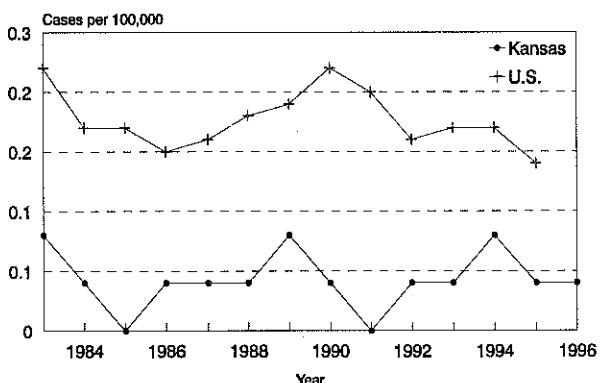
Number of cases - 1

Cases in 1995 - 1

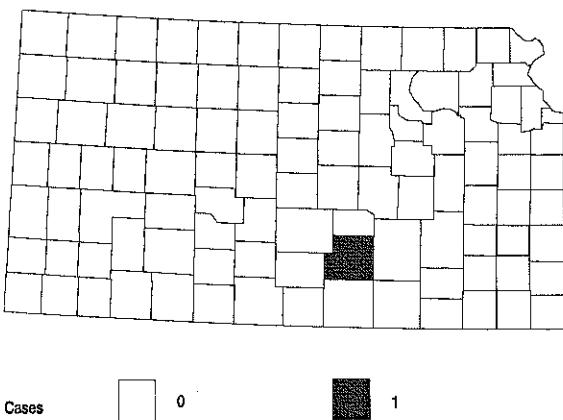
Kansas rate - < 0.1 per 100,000

U.S. rate (1995) - 0.1 per 100,000

Typhoid fever rate by year of report
Kansas, 1983-1996



Typhoid fever cases by county
Kansas, 1996



Yersiniosis

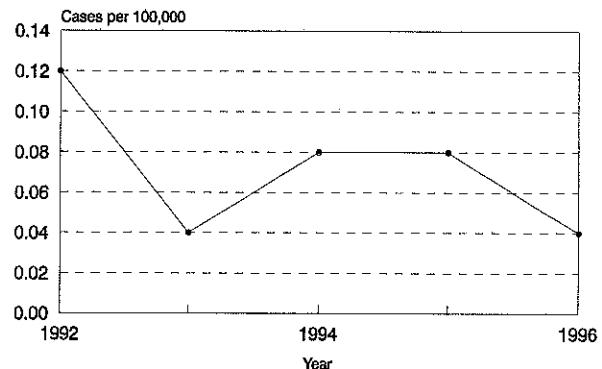
Number of cases - 1

Cases in 1995 - 2

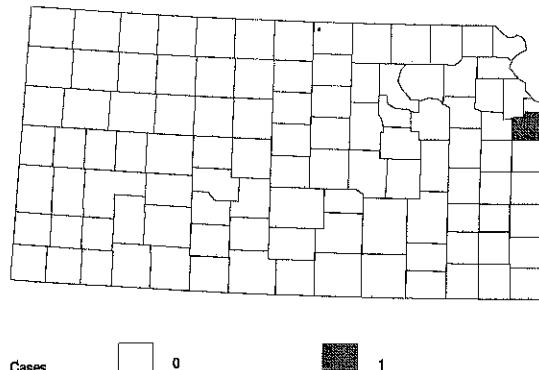
Kansas rate - <0.1 per 100,000

U.S. rate - not available

**Yersiniosis rate by year
Kansas, 1992-1996**



**Yersiniosis cases by county
Kansas, 1996**



The following diseases had no cases reported in 1996.

Anthrax

Cholera

Diphtheria

Granuloma inguinale

Leprosy (Hansen's disease)

Leptospirosis

Lymphogranuloma venereum

Plague

Poliomyelitis

Rubella

Tetanus

Trichinosis

Typhus, murine

Yellow Fever

SECTION II

TABLES

Table 1. List of reportable diseases in Kansas, 1996

Reportable by physicians, dentists, physician's assistants, social workers, teachers and school administrators (K.A.R. 28-1-2 effective April 19, 1993 and 28-1-22 effective December 24, 1990)

Acquired Immune Deficiency Syndrome (AIDS)
Amebiasis
Anthrax
Botulism
Brucellosis
Campylobacteriosis
Chancroid
Chickenpox (varicella)
Chlamydia species infections, including psittacosis
Cholera
Diphtheria
Encephalitis, infectious
Giardiasis
Gonorrhea
Granuloma inguinale
Hepatitis, viral
Human Immunodeficiency Virus (HIV) - reportable by physicians only
Legionellosis
Leprosy (Hansen's disease)
Leptospirosis
Lyme disease
Lymphogranuloma venereum
Malaria
Measles (rubeola)
Meningitis
Mumps
Pertussis (whooping cough)
Plague
Poliomyelitis
Rabies
Rheumatic fever
Rocky Mountain Spotted Fever
Rubella, including congenital rubella syndrome
Salmonellosis, including typhoid fever
Shigellosis

Syphilis, including congenital syphilis
Tetanus
Toxic shock syndrome
Trichinosis
Tuberculosis
Tularemia
Typhus, murine
Yellow Fever

Reportable by laboratories (K.A.R. 28-1-18 effective August 16, 1993 and 28-1-22 effective December 24, 1990)

Blood lead level \geq 10 $\mu\text{g}/\text{dL}$ for persons < 18 years of age, and \geq 25 $\mu\text{g}/\text{dL}$ for persons \geq 18 years of age
CD4+ T-lymphocyte count of less than 200/ml or a CD4+ T-lymphocyte percent of total lymphocytes less than 14
Chlamydia
Cryptosporidium*
E. Coli O152:H7*
Gonorrhea
Human Immunodeficiency Virus (HIV)
Syphilis
Tuberculosis

Reportable by hospitals (K.A.R. 28-1-4 effective May 1, 1986 and 28-1-22 effective December 24, 1990)

Acquired Immune Deficiency Syndrome (AIDS)
Cancer
Congenital malformations in infants under one year of age
Fetal alcohol syndrome

* Reportable starting in 1996

Table 2. County abbreviations

AL	Allen	HS	Haskell	RL	Riley
AN	Anderson	HG	Hodgeman	RO	Rooks
AT	Atchison	JA	Jackson	RH	Rush
BA	Barber	JF	Jefferson	RS	Russell
BT	Barton	JW	Jewell	SA	Saline
BB	Bourbon	JO	Johnson	SC	Scott
BR	Brown	KE	Kearny	SG	Sedgwick
BU	Butler	KM	Kingman	SW	Seward
CS	Chase	KW	Kiowa	SN	Shawnee
CQ	Chataqua	LB	Labette	SD	Sheridan
CK	Cherokee	LE	Lane	SH	Sherman
CN	Cheyenne	LV	Leavenworth	SM	Smith
CA	Clark	LC	Lincoln	SF	Stafford
CY	Clay	LN	Linn	ST	Stanton
CD	Cloud	LG	Logan	SV	Stevens
CF	Coffey	LY	Lyon	SU	Sumner
CM	Comanche	MN	Marion	TH	Thomas
CL	Cowley	MS	Marshall	TR	Trego
CR	Crawford	MP	McPherson	WB	Wabaunsee
DC	Decatur	ME	Meade	WA	Wallace
DK	Dickinson	MI	Miami	WS	Washington
DP	Doniphan	MC	Mitchell	WH	Wichita
DG	Douglas	MG	Montgomery	WL	Wilson
ED	Edwards	MR	Morris	WO	Woodson
EK	Elk	MT	Morton	WY	Wyandotte
EL	Ellis	NM	Nemaha		
EW	Ellsworth	NO	Neosho		
FI	Finney	NS	Ness		
FO	Ford	NT	Norton		
FR	Franklin	OS	Osage		
GE	Geary	OB	Osborne		
GO	Gove	OT	Ottawa		
GH	Graham	PN	Pawnee		
GT	Grant	PL	Phillips		
GY	Gray	PT	Pottawatomie		
GL	Greeley	PR	Pratt		
GW	Greenwood	RA	Rawlins		
HM	Hamilton	RN	Reno		
HP	Harper	RP	Republic		
HV	Harvey	RC	Rice		

Table 3. Map of Kansas

50

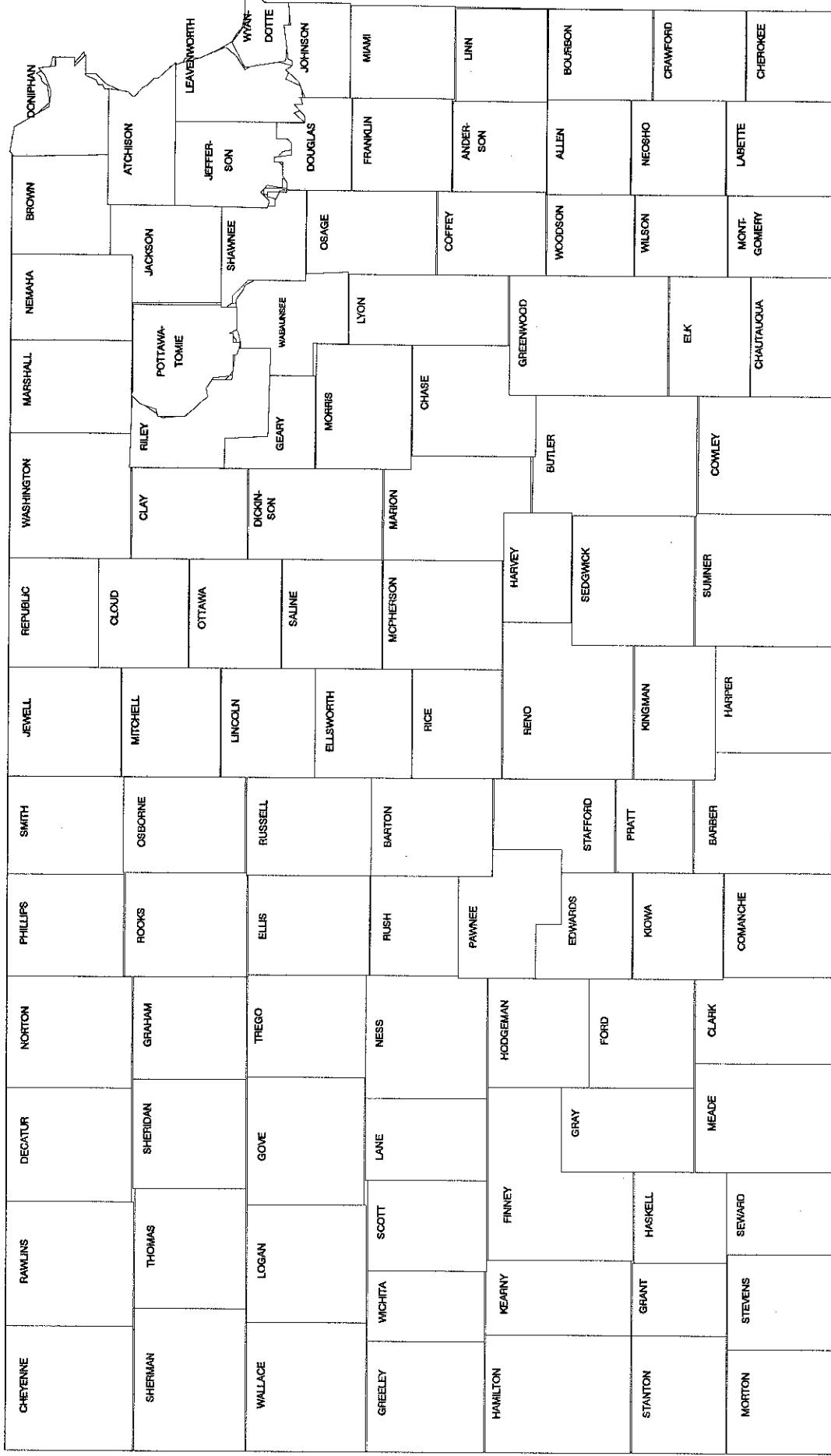


Table 4. Cases of reportable diseases by year in Kansas, 1983-1996

DISEASE	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AIDS	3	2	16	35	48	102	101	134	93	188	358	227	286	135
AMEBIASIS	30	11	29	22	49	36	19	4	1	1	22	15	2	8
ANTHRAX	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOTULISM, FOODBORNE	0	0	0	0	0	0	0	0	0	0	0	0	1	0
BOTULISM, INFANT	0	1	0	0	0	1	0	0	0	1	0	2	0	1
BOTULISM, OTHER	0	0	0	0	0	0	0	0	0	1	0	0	0	0
BRUCELLOSIS	2	2	2	1	0	0	1	1	0	0	0	0	0	1
CAMPYLOBACTERIOSIS	83	133	208	137	167	218	224	185	200	253	201	247	238	208
CHANCROID	0	0	0	0	4	1	1	13	5	3	1	5	2	2
CHICKENPOX *	6856	10295	9069	10367	8310	346	494	3253	3367	4179	1687	3190	1582	876
CHLAMYDIA	-	600	1124	1522	3042	3701	3772	5218	6791	7024	5694	6393	5315	4448
CHOLERA	0	0	0	0	0	1	0	0	0	0	0	0	0	0
CRYPTOSPORIDIOSIS +	-	-	-	-	-	-	-	-	-	-	-	1	31	11
DIPHTHERIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. coli O157:H7 +	-	-	-	-	-	-	-	2	4	4	11	25	29	33
ENCEPHALITIS, PRIMARY	4	8	6	2	12	9	6	13	5	5	7	7	11	2
ENCEPHALITIS, SLE	0	0	0	0	2	0	0	0	0	0	0	0	0	0
ENCEPHALITIS, WEE	0	0	0	0	0	1	0	0	0	0	0	0	0	0
GIARDIASIS	494	577	646	537	659	561	419	380	309	521	385	415	395	237
GONORRHEA	7920	7217	7006	6617	4482	4852	5183	4673	4404	3710	3682	2797	2043	
GRANULOMA INGUINALIS	0	0	0	1	0	0	0	0	0	0	0	0	0	0
HANSEN'S DISEASE	1	0	1	2	0	1	0	0	0	0	0	0	0	0

* Aggregate cases, no county specific data

+ Became reportable in January 1996.

Table 4. Cases of reportable diseases by year in Kansas, 1983-1996

DISEASE	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
HANTAVIRUS PULM. SYN.	-	-	-	-	-	-	-	-	-	-	1	4	0	2
HEPATITIS A	96	70	97	137	402	396	276	271	89	141	79	111	162	393
HEPATITIS B	74	87	97	94	99	159	121	139	56	66	65	31	53	32
HEP., C/NON-A NON-B	10	17	28	18	19	17	18	40	20	16	16	18	18	16
LEAD ≥ 10 µg/dL	-	-	-	-	-	-	-	-	-	545	1034	1281	1171	
LEGIONELLOSIS	4	1	9	12	8	13	10	9	4	5	7	6	8	6
LEPTOSPIROSIS	0	0	0	0	1	0	0	0	0	0	0	0	0	0
LIME DISEASE	0	0	0	0	0	5	17	21	22	18	55	17	23	36
LYMPHOGRANULOMA VEN.	0	1	1	0	0	0	1	0	0	0	0	0	0	0
MALARIA	6	2	6	3	2	3	6	6	8	6	3	7	3	7
MEASLES	6	5	1	102	1	0	142	233	13	1	2	1	1	1
MENTINGITIS, ASEPTIC	107	51	58	64	93	64	110	69	73	114	202	79	117	39
MENTINGITIS, HIB	-	-	70	59	72	62	64	31	19	12	4	3	2	3
MENINGOCOCAL DISEASE	28	37	16	16	28	25	9	22	26	17	36	28	28	27
MOMPS	77	62	51	61	74	205	297	91	31	3	1	1	0	2
PERTUSSIS	130	55	31	1229	17	6	12	27	12	34	24	18	23	14
PLAQUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLIOMYELITIS	0	0	0	0	0	0	0	0	-	0	0	0	0	0
PSITTACOSIS	3	0	1	0	0	0	0	1	0	1	0	0	0	0
RABIES, ANIMAL	82	53	63	63	33	39	58	45	63	374	79	35	46	37
RABIES, HUMAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHEUMATIC FEVER	3	4	1	6	11	10	6	1	2	0	3	1	0	1
RMSF	20	18	27	10	28	28	18	18	6	5	1	4	4	2
RUBELLA	36	30	7	9	1	2	2	0	1	4	0	0	1	0

Table 4. Cases of reportable diseases by year in Kansas, 1983-1996

DISEASE	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
RUBELLA, CONGENITAL	1	0	0	0	0	0	0	0	0	1	0	0	0	0
SALMONELLOSIS	462	339	501	379	413	358	318	295	245	304	299	397	363	419
SHIGELLOSIS	92	106	104	102	36	94	211	135	79	266	208	123	302	112
SYPHILIS, P AND S	56	59	34	35	30	38	82	87	201	203	129	74	47	28
SYPHILIS, CONGENITAL	-	-	-	0	1	0	0	2	0	2	3	2	2	0
SYPHILIS, ALL STAGES	271	186	139	152	103	139	175	177	373	356	282	188	147	136
TETANUS	0	1	0	1	3	0	0	0	0	0	2	1	2	0
TOXIC SHOCK SYNDROME	8	4	12	12	9	8	10	11	8	9	3	5	2	5
TRICHINOSIS	0	0	0	0	0	0	0	0	6	0	0	0	0	0
TUBERCULOSIS	76	77	82	72	60	58	72	78	62	56	83	84	89	73
TULAREMIA	11	4	8	8	8	6	7	5	3	3	7	10	3	
TYPHOID FEVER	2	1	0	1	1	1	2	1	0	1	1	2	1	1
TYPHUS	0	0	1	0	0	1	0	0	0	0	0	0	0	0
YELLOW FEVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YERSINIOSIS	-	-	-	-	-	-	-	-	3	1	2	2	1	

Table 5. Cases of reportable diseases by county in Kansas, 1996

	AL	AN	AT	BA	BB	BR	BT	BU	CA	CD	CF	CL	CM	CN
AIDS	0	*	0	0	*	0	0	*	0	0	0	0	0	0
AMEBIASIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOTULISM, INFANT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRUCELLIOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAMPYLOBACTERIOSIS	1	1	0	0	0	0	3	0	2	0	0	3	2	2
CHANCROID	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLAMYDIA	13	4	10	2	22	6	32	52	3	11	6	7	42	0
CRYPTOSPORIDIOSIS + <i>E. coli</i> O157:H7 +	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENCEPHALITIS, PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GIARDIASIS	0	0	2	0	0	0	0	4	1	0	2	1	2	2
GONORRHEA	6	1	3	0	7	0	6	14	0	0	0	0	0	6
HANTAVIRUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEPATITIS A	1	0	0	0	2	0	12	1	0	0	1	1	23	5
HEPATITIS B	0	0	0	0	0	0	0	4	0	0	0	0	0	0
HEPATITIS, C/NON-A NON-B	0	0	0	0	1	0	0	0	2	0	0	0	0	0
LEAD \geq 10 $\mu\text{g}/\text{dL}$	6	8	13	0	0	0	25	21	0	0	0	0	50	5
LEGIONELLOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYME DISEASE	1	0	2	0	0	0	0	0	0	0	0	0	0	0
MALARIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEASLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENINGITIS, ASEPTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENINGITIS, HIB	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENTINGOCOCCAL DISEASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MMPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERTUSSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RABIES, ANIMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHEUMATIC FEVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RMSF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALMONELLOYSIS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SHIGELLOSIS	0	1	1	0	0	0	0	0	0	0	0	0	0	0
SYPHILIS, P AND S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPHILIS, ALL STAGES	1	0	0	0	0	0	0	0	0	0	0	0	0	0
TOXIC SHOCK SYNDROME	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TUBERCULOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TULAREMIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TYPHOID FEVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YERSINIOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Counties which reported fewer than 5 cases.
+ Became reportable in January 1996.

Table 5. Cases of reportable diseases by county in Kansas, 1996

	CQ	CR	CS	CY	DC	DG	DK	DP	ED	EK	EL	EW	FI	FO	FR
AIDS	0	*	0	0	0	6	*	0	0	0	0	*	0	0	0
AMEBLIASIS	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
BOTULISM, INFANT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRUCELLOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAMPYLOBACTERIOSIS	0	1	0	0	0	2	7	0	0	0	0	3	1	4	0
CHAMNIROID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLAMYDIA	4	64	2	7	1	172	13	5	2	2	44	3	84	87	32
CRYPTOSPORIDIOSIS + E. coli O157:H7 +	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1
ENCEPHALITIS, PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GIARDIASIS	0	2	0	0	0	11	0	0	0	1	0	5	2	1	1
GONORRHEA	0	31	0	1	0	35	0	0	0	0	0	10	9	2	0
HANTAVIRUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEPATITIS A	0	58	0	0	1	0	10	0	0	0	0	3	4	14	1
HEPATITIS B, C/NON-A NON-B	0	3	0	0	1	0	0	0	0	0	0	1	1	2	0
LEAD \geq 10 $\mu\text{g}/\text{dL}$	2	16	2	4	0	0	7	3	8	4	1	7	0	12	18
LEGIONELLOSIS	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
LYME DISEASE	0	0	0	0	0	3	0	0	0	0	0	0	0	1	1
MALARIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEASLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENINGITIS, ASEPTIC	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
MENINGITIS, HIB	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
MENINGOCOCCAL DISEASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOMPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERTUSSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLIOMYELITIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLYMYXIN RESISTANT PSEUDOMONAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLYMYXIN SENSITIVE PSEUDOMONAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RABIES, ANIMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHEUMATIC FEVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RMSF	2	5	0	0	0	12	6	4	1	0	11	0	8	2	0
SALMONELLOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHIGELLOSIS	0	0	0	0	0	6	1	0	0	0	0	2	5	2	0
SYPHILIS, P AND S	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0
SYPHILIS, ALL STAGES	0	2	0	0	0	13	0	0	0	0	0	2	1	0	0
TOXIC SHOCK SYNDROME	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TUBERCULOSIS	0	0	0	0	0	4	0	0	0	0	0	2	0	0	0
TULAREMIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TYPHOID FEVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YERSINIOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Counties which reported fewer than 5 cases.

+ Became reportable in January 1996.

Table 5. Cases of reportable diseases by county in Kansas, 1996

	GE	GH	GL	GO	GT	GW	GY	HG	HM	HP	HS	HV	JA	JF	JO
AIDS	*	0	0	0	0	0	0	0	0	*	0	0	0	0	18
AMEBIASIS	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
BOTULISM, INFANT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRUCELLOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
CAMPYLOBACTERIOSIS	1	0	0	0	0	1	1	0	0	0	0	7	0	1	49
CHANCREOID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLAMYDIA	255	0	0	0	1	0	0	0	0	0	0	0	0	0	307
CRYPTOSPORIDIOSIS + <i>E. coli</i> O157:H7 +	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
ENCEPHALITIS, PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
GIARDIASIS	0	0	0	0	0	2	0	0	0	0	0	6	0	5	58
GONORRHEA	89	0	0	0	0	0	0	0	0	0	0	4	0	2	72
HANTAVIRUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEPATITIS A	0	0	0	0	0	0	0	0	0	0	0	3	0	0	50
HEPATITIS B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
HEPATITIS, C/NON-A NON-B	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
LEAD \geq 10 $\mu\text{g}/\text{dL}$	0	0	0	0	2	0	0	0	0	0	0	5	0	1	12
LEGIONELLOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
LYME DISEASE	1	0	0	0	0	0	0	0	0	0	0	1	0	0	7
MALARIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
MEASLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENINGITIS, ASEPTIC	1	0	0	0	0	0	0	0	0	0	0	0	0	0	16
MENINGITIS, HIB	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3
MENINGOCOCCAL DISEASE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MUMPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
PERTUSSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RABIES, ANIMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHEUMATIC FEVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RSMSF	5	0	0	0	0	0	0	0	0	0	0	2	0	0	65
SalMONELLOSTIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
SHIGELLOSIS	2	0	0	0	0	0	0	0	0	0	0	0	4	0	10
SYPHILIS, P AND S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
SYPHILIS, ALL STAGES	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
TOXIC SHOCK SYNDROME	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TUBERCULOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
TULAREMIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TYPHOID FEVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YERSINIOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

* Counties which reported fewer than 5 cases.
+ Became reportable in January 1996.

Table 5. Cases of reportable diseases by county in Kansas, 1996

	JW	KE	KM	KW	LB	LC	LE	LG	LN	LV	LY	MC	ME	MG	MI
AIDS	0	*	0	0	*	0	0	0	0	0	*	0	0	0	0
AMEBIASIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOTULISM, INFANT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRUCELLOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAMPYLOBACTERIOSIS	0	1	0	0	0	0	0	0	1	8	3	0	2	0	0
CHANCROID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLAMYDIA	0	6	2	0	18	2	1	4	60	61	13	0	38	18	0
CRYPTOSPORIDIOSIS +	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. coli O157:H7 +	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
ENCEPHALITIS, PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GIARDIASIS	0	2	2	0	2	4	0	0	5	1	2	0	0	0	3
GONORRHEA	0	1	1	0	0	0	0	0	22	13	1	0	38	3	0
HANTAVIRUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEPATITIS A	1	0	0	0	0	0	1	0	0	0	3	4	1	9	2
HEPATITIS B	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
HEPATITIS, C/NON-A NON-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
LEAD \geq 10 $\mu\text{g}/\text{dL}$	1	1	0	0	3	2	3	0	12	4	14	4	2	40	0
LEGIONELLOSIS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyme Disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALARIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEASLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENINGITIS, ASEPTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENINGITIS, HIB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENINGOCOCCAL DISEASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MUMPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERTUSSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RABIES, ANIMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHEUMATIC FEVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RMSF	1	2	0	0	8	0	0	0	0	4	4	0	0	0	0
SALMONELLOSIS	0	1	0	0	7	0	0	0	0	2	2	0	0	0	0
SHIGELLOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPHILIS, P AND S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPHILIS, ALL STAGES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
TOXIC SHOCK SYNDROME	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TUBERCULOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TULAREMIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TYPHOID FEVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YERSINIOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Counties which reported fewer than 5 cases.

+ Became reportable in January 1996.

Table 5. Cases of reportable diseases by county in Kansas, 1996

	MN	MP	MR	MS	MT	NM	NO	NS	NT	OB	OS	OT	PL	PN	PR
AIDS	0	*	0	0	0	0	1	0	0	0	0	0	0	0	0
AMEBIASIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOTULISM, INFANT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRUCELLOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAMPYLOBACTERIOSIS	2	0	3	0	1	1	1	0	0	0	0	0	1	0	0
CHANCROID	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
CHLAMYDIA	18	6	3	2	5	4	2	0	0	0	0	0	0	7	6
CRYPTOSPORIDIOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. coli O157:H7 +	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
ENCEPHALITIS, PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GIARDIASIS	1	4	1	0	0	4	0	0	0	0	0	0	0	0	0
GONORRHEA	12	3	0	0	0	0	0	0	0	0	0	0	0	0	0
HANTAVIRUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEPATITIS A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEPATITIS B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEPATITIS C/NON-A NON-B	0	1	0	0	0	4	0	0	0	0	0	0	0	1	0
LEAD \geq 10 $\mu\text{g}/\text{dL}$	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2
LEGIONELLOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYME DISEASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALARIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEASLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENINGITIS, ASEPTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENINGITIS, HIB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENINGOCOCCAL DISEASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MUMPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERTUSSIS	0	2	1	0	0	0	0	0	0	0	0	0	2	0	0
RABIES, ANIMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHEUMATIC FEVER	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
RMSF	4	8	1	0	0	0	0	0	0	0	0	0	2	4	0
SALMONELLOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHIGELLOSIS	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPHILIS, P AND S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPHILIS, ALL STAGES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOXIC SHOCK SYNDROME	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TUBERCULOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TULAREMIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TYPHOID FEVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YERSINIOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Counties which reported fewer than 5 cases.
+ Became reportable in January 1996.

Table 5. Cases of reportable diseases by county in Kansas, 1996

	PT	RA	RC	RH	RL	RN	RO	RP	RS	SA	SC	SD	SF	SG	SH	SH
AIDS	0	0	0	0	0	*	0	0	0	5	0	0	0	45	0	0
AMEBIASIS	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
BUTULISM, INFANT	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
BRUCELLIOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAMPYLOBACTERIOSIS	0	1	0	0	0	6	1	0	0	0	0	0	0	16	0	0
CHANCROID	0	0	0	0	0	0	0	0	0	4	0	0	0	0	1	0
CHLAMYDIA	16	3	6	3	170	98	1	2	3	93	2	0	1	1086	4	0
CRYPTOSPORIDIOSIS +	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E. coli O157:H7 +	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0
ENCEPHALITIS, PRIMARY	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
GIARDIASIS	2	1	0	0	0	5	2	0	2	0	4	0	0	28	1	0
GONORRHEA	5	0	0	0	0	30	14	0	0	1	33	0	0	585	1	0
HATAVIRUS	0	0	0	0	0	0	0	0	0	0	0	0	0	17	1	0
HEPATITIS A	1	0	0	1	0	0	1	0	0	0	5	0	0	0	0	0
HEPATITIS B	0	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0
HEPATITIS, C/NON-A NON-B	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
LEAD \geq 10 $\mu\text{g}/\text{dL}$	12	0	0	0	0	0	16	2	7	10	3	0	0	16	7	0
LEGIONELLOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYME DISEASE	0	0	0	0	0	1	4	0	0	0	0	0	0	0	1	0
MALARIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEASLES	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
MEINGITIS, ASEPTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MENINGITIS, HIB	0	0	0	0	0	0	0	3	0	0	3	0	0	0	3	0
MENINGOCOCCAL DISEASE	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
MUMPS	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
PERTUSSIS	0	1	0	0	0	0	0	0	0	1	0	0	0	0	8	0
RABIES, ANIMAL	10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
RHEUMATIC FEVER	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
RMSF	1	0	0	1	0	9	7	0	0	2	12	0	1	89	0	0
SALMONELLOYSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHIGELLOYSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0
SYPHILIS, P AND S	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0
SYPHILIS, ALL STAGES	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0
TOXIC SHOCK SYNDROME	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TUBERCULOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0
TULAREMIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TYPHOID FEVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YERSINIOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

* Counties which reported fewer than 5 cases.

+ Became reportable in January 1996.

Table 5. Cases of reportable diseases by county in Kansas, 1996

	SM	SN	ST	SU	SV	SW	TH	TR	WA	WB	WH	WL	WO	WS	WY	TOTAL
AIDS	0	8	0	*	0	0	0	0	0	0	0	0	0	0	19	135
AMEBIASIS	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	
BUTULISM, INFANT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
BRUCELLIOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
CAMPYLOBACTERIOSIS	0	27	0	2	0	1	0	0	0	0	0	0	0	0	24	208
CHANCROID	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	
CHLAMYDIA	0	481	1	15	0	19	11	0	0	0	0	0	0	1	743	4448
CRYPTOSPORIDIOSIS + E. coli O157:H7 +	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	11
ENCEPHALITIS, PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
GIARDIASIS	0	18	0	3	0	3	0	0	0	2	0	2	0	0	12	237
GONORRHEA	0	323	0	6	2	3	0	0	0	0	0	0	0	0	594	2043
HANTAVIRUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
HEPATITIS A	0	3	0	0	0	4	0	0	0	4	0	0	0	0	136	393
HEPATITIS B	0	3	0	1	0	1	0	0	0	1	0	0	0	0	2	32
HEPATITIS, C/NON-A NON-B	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	16
LEAD ≥ 10 µg/dL	1	78	0	10	3	0	2	0	0	6	9	2	2	0	120	816
LEGIONELLOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
LYME DISEASE	0	1	0	0	0	0	0	0	0	0	0	0	0	3	36	
MALARIA	0	1	0	0	0	0	0	0	0	0	0	0	0	1	7	
MEASLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
MENINGITIS, ASEPTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
MENINGITIS, HIB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
MENINGOCOCCAL DISEASE	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	2
MUMPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
PERTUSSIS	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	37
POLIOMYELITIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
POLYMYXIN RESISTANT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
POLYOMYXIN SENSITIVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PERTUSSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PERTUSSIS, ALL STAGES	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	14
RABIES, ANIMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RHEUMATIC FEVER	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
RSMSF	0	19	0	5	0	2	1	0	0	0	0	0	0	0	39	419
SALMONELLOSIS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SHIGELLOSIS	0	7	0	0	0	0	0	0	0	0	0	0	0	0	31	112
SYphilis, P AND S	0	2	0	0	0	0	0	0	0	0	0	0	0	1	28	
SYphilis, ALL STAGES	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	136
TOXIC SHOCK SYNDROME	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
TUBERCULOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
TULAREMIA	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
TYPHOID FEVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
YERSINIOSIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

* Counties which reported fewer than 5 cases.
+ Became reportable in January 1996.

Table 6. Publications on disease control in Kansas, 1996

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KDHE, Office of Epidemiologic Services and Bureau of Disease Control. Immunization Coverage Survey of Local Health Departments, Kansas, 1995. 1996.

KDHE, Office of Epidemiologic Services. Reportable diseases in Kansas: 1995 summary. 1996.



**Kansas Department of Health and Environment
Office of Epidemiologic Services
Landon Building, Suite 1051 S
900 SW Jackson St.
Topeka, KS 66612-1290**

264-13

Lorne Phillips
Center for Health and Environmental
Statistics
LSoB, Room 152